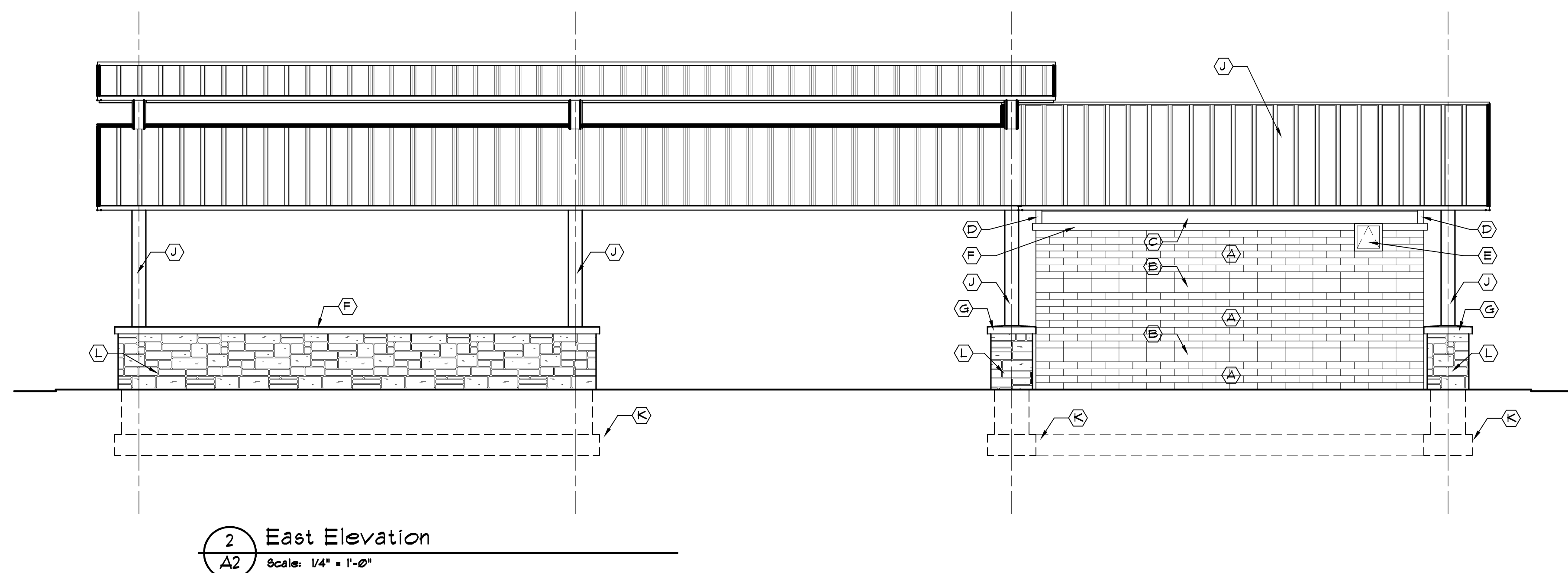
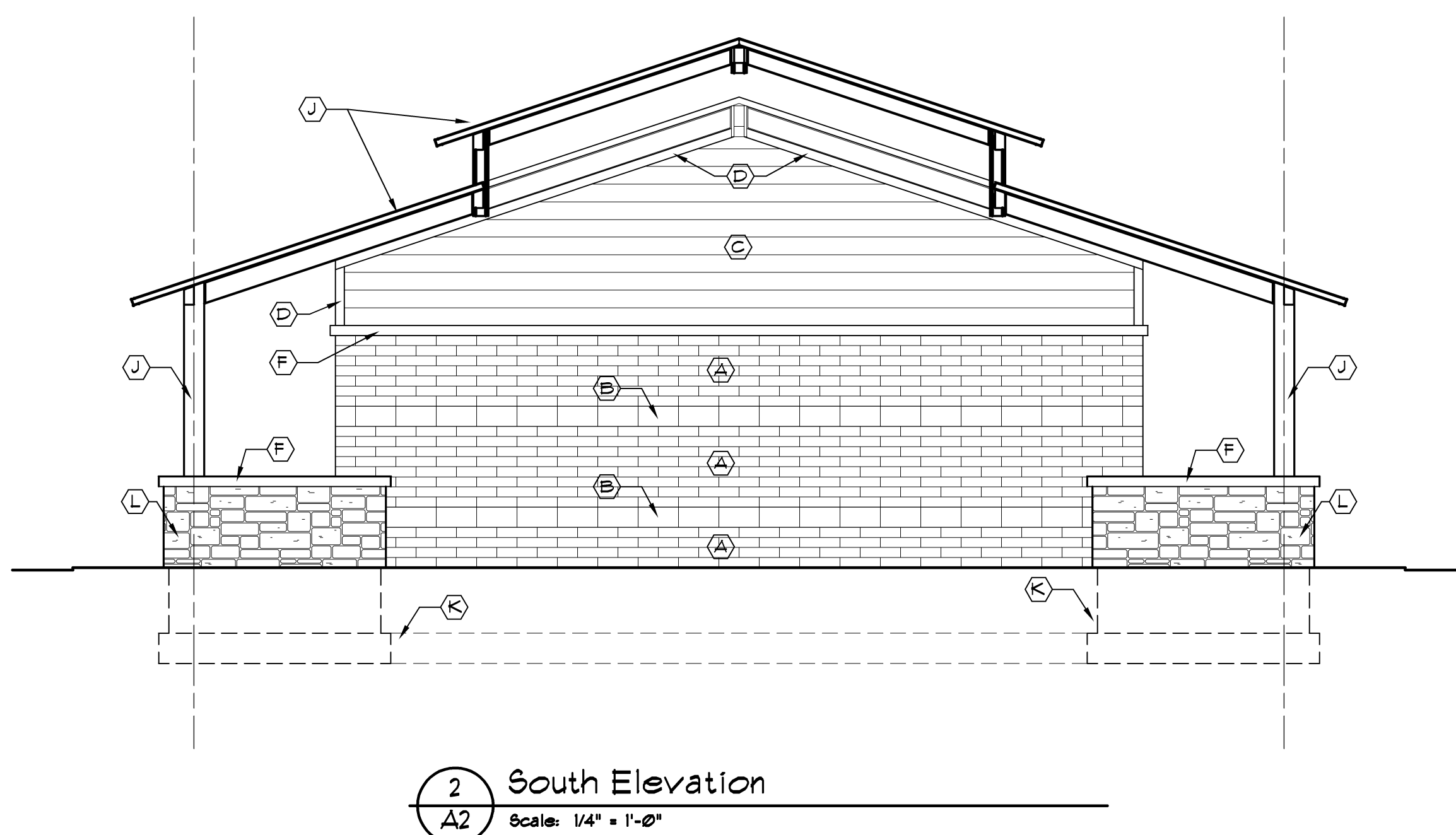
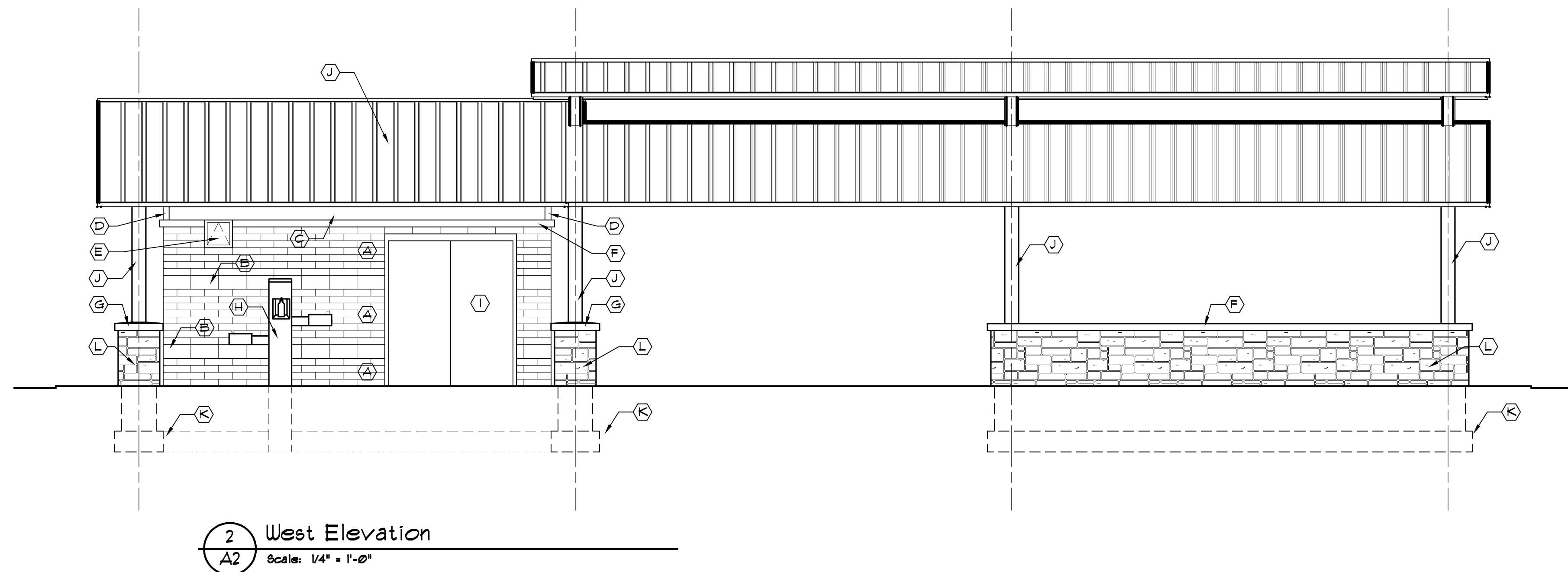
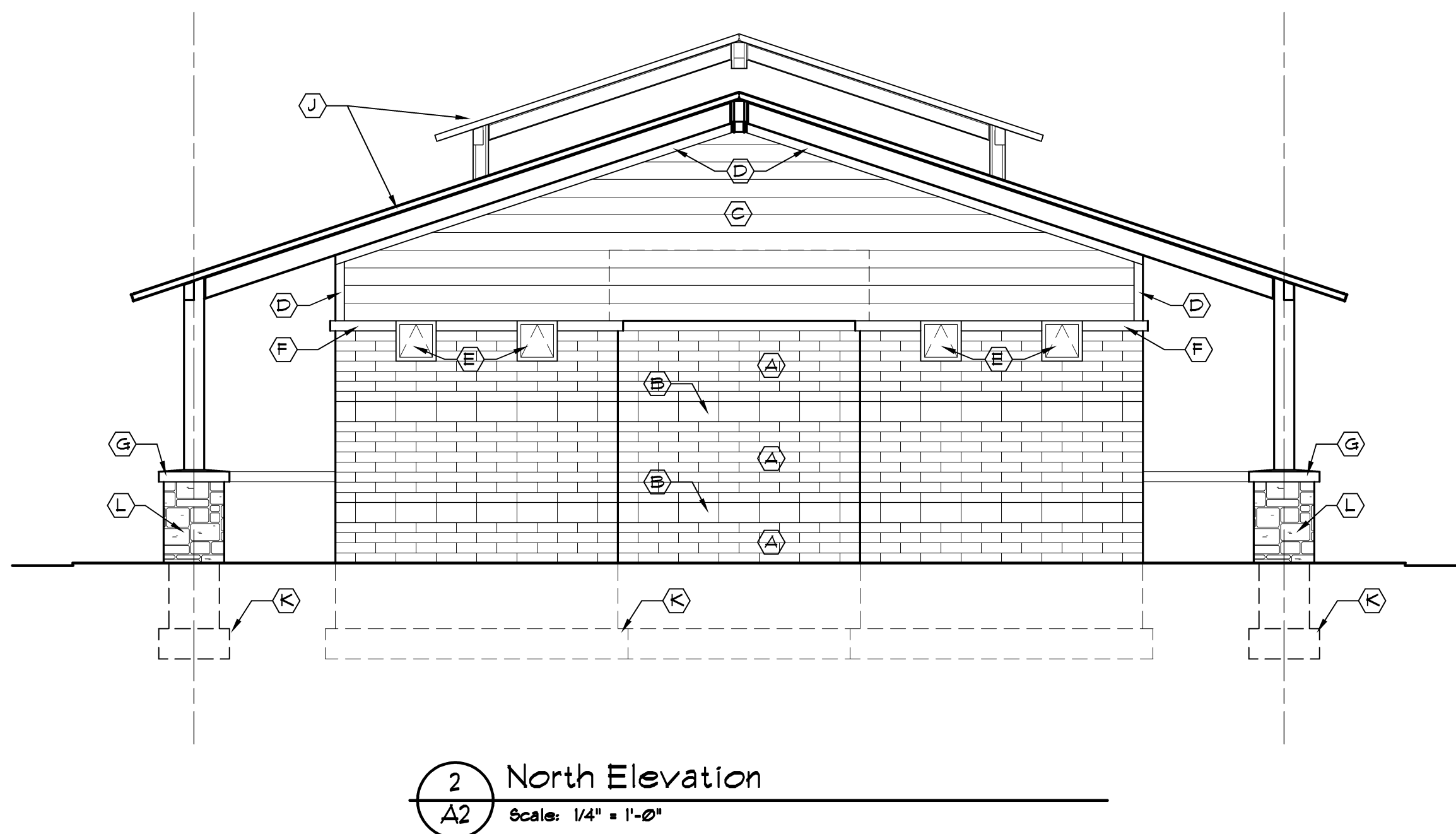


**EXTERIOR FINISH MATERIAL SCHEDULE**

- (A) 4"x8"x16" CMU - CONSUMER'S CONCRETE "BELLA BRIK" CINCINNATI BLEND
- (B) 8"x8"x16" SPLIT FACE CMU ACCENT BAND (MATCH CMU ON EXISTING RESTROOM BUILDING)
- (C) FIBER CEMENT SIDING - WOODTONE "RUSTIC SERIES" WINCHESTER BROWN, 1" EXPOSURE
- (D) 5/4x4 SMOOTH FACE FIBER CEMENT TRIM BOARD - PAINT
- (E) 1'-4" x 1'-4" AWNING WINDOW IN ANOD. ALUM. FRAME
- (F) 4" PRECAST SILL
- (G) 4" PRECAST SLOPED PIER CAP
- (H) FEDESTAL DRINKING FOUNTAIN (SEE PLUMBING DRAWINGS)
- (I) HOLLOW METAL DOOR & FRAME
- (J) POLYGON STRUCTURE (INSTALLED BY FOLIGON)
- (K) LINE OF FOUNDATION WALL BEYOND
- (L) SIMULATED STONE VENEER - CULTURED STONE "COUNTRY LEDGESTONE" BUCKS COUNTY

architect seal



Issue / revision date	Review
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

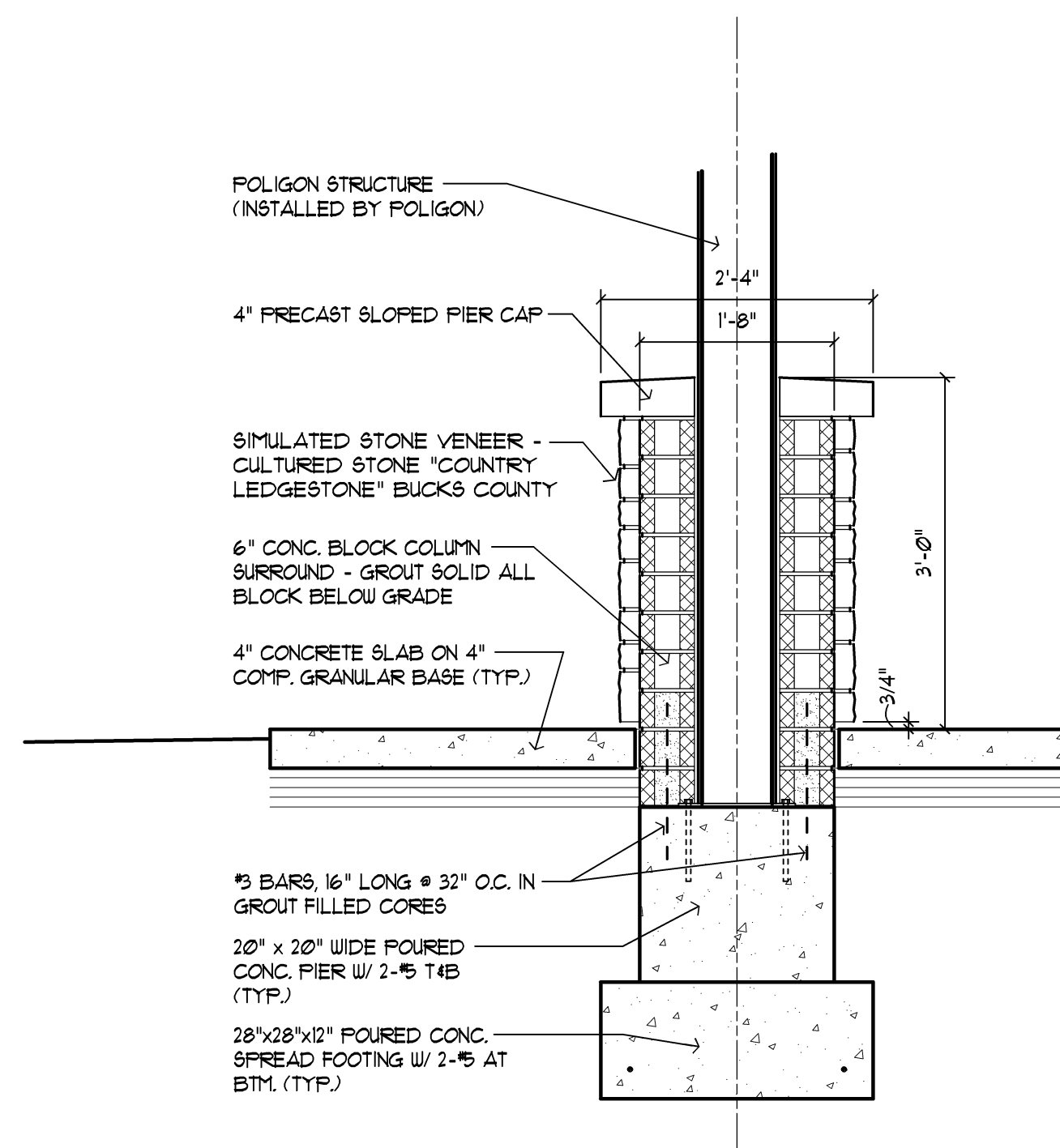
drawn by \_\_\_\_\_ checked by \_\_\_\_\_

City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan  
 project

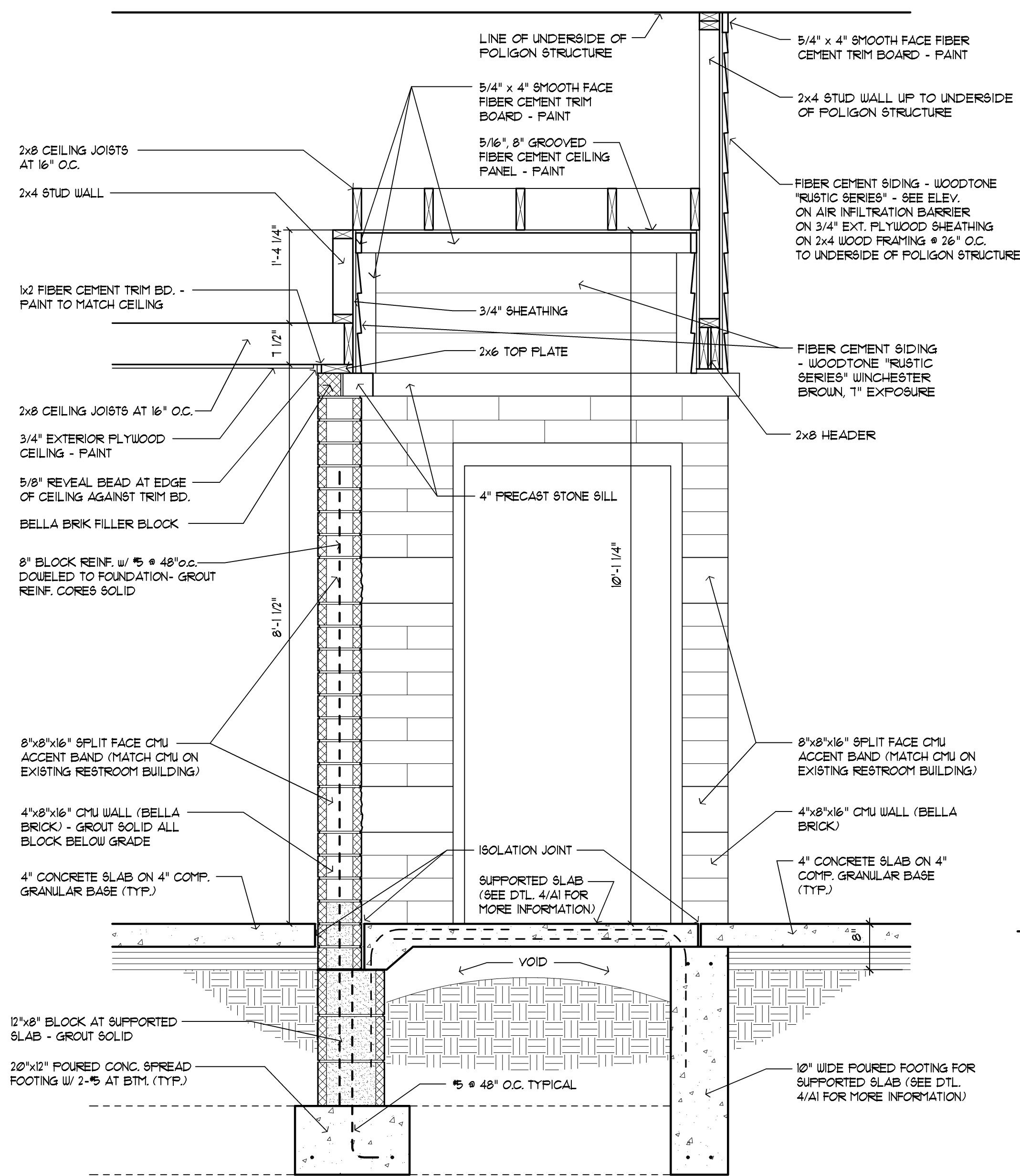
Pavilion #3  
 Building Elevations  
 sheet title

**Dorchen/Martin Associates, Inc.**  
 Architects/Planners  
 2985 Greenfield Rd., Suite 107  
 Southfield, Michigan 48076  
 (248) 557-1062  
 Fax: (248) 557-1231

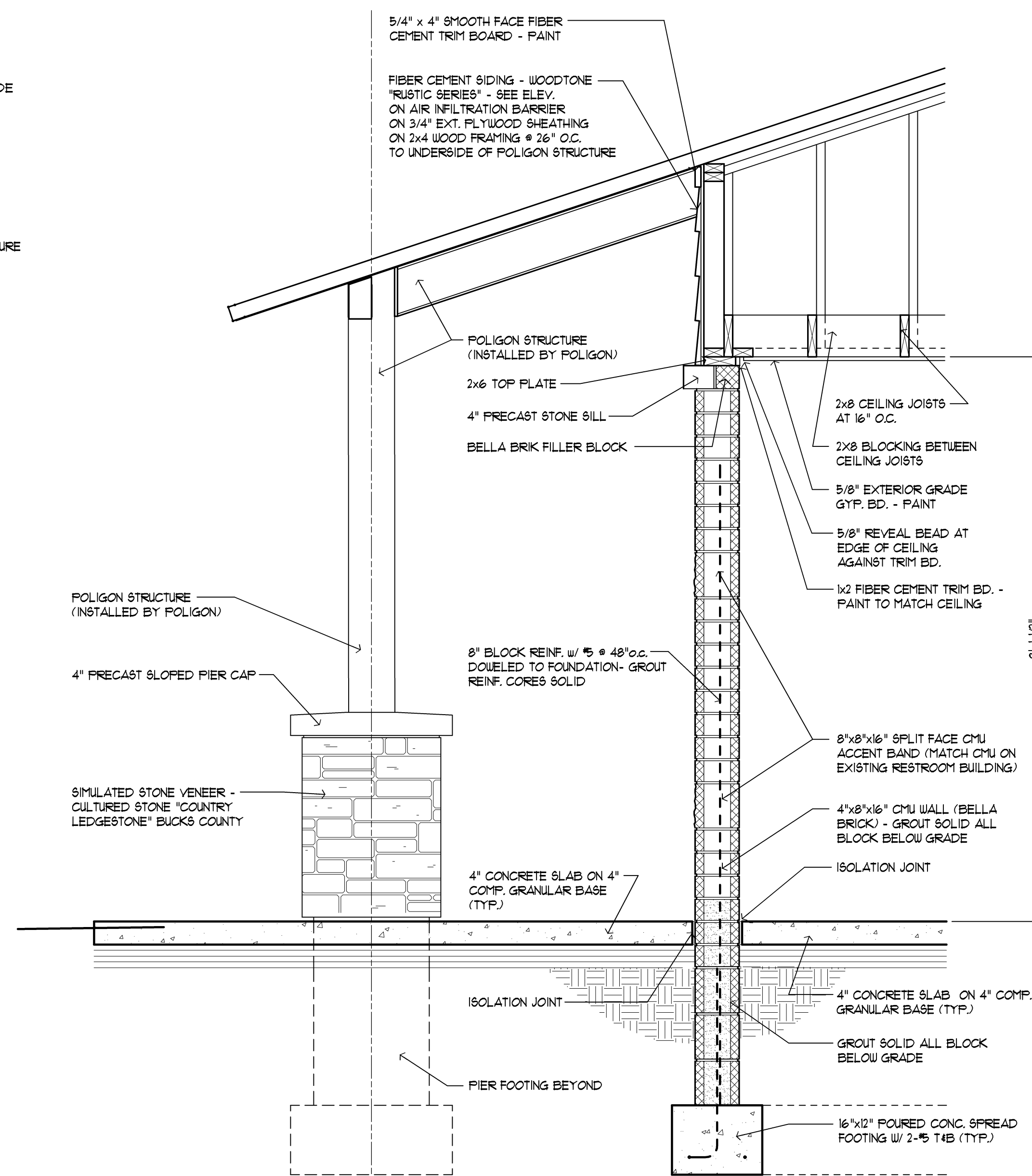
job no. 16078A sheet no. PAV3-A2



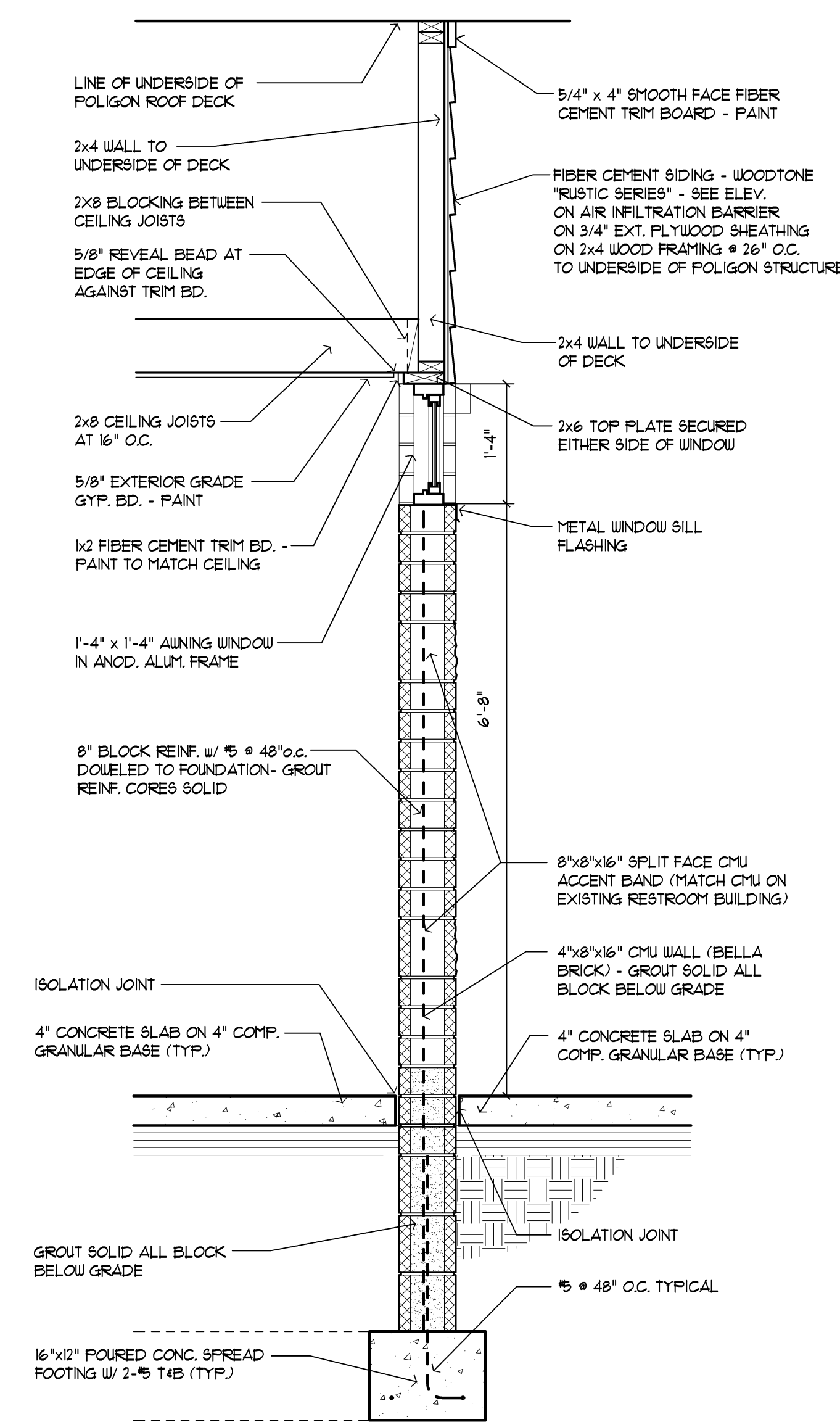
4 Simulated Stone Pier Section  
AI Scale: 3/4" = 1'-0"



3 Wall Section  
AI Scale: 3/4" = 1'-0"



2 Wall Section  
AI Scale: 3/4" = 1'-0"



1 Wall Section  
AI Scale: 3/4" = 1'-0"



Issue / revision date	description
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

drawn by \_\_\_\_\_ checked by \_\_\_\_\_

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project

Pavilion #3  
Wall Sections  
sheet title



job no. 16078A sheet no. PAV3-A3



DOOR SCHEDULE													
DOOR NO.	DOOR SIZE	DOOR			HOUR SET	FRAME			DETAILS			LABEL	CODED REMARKS
		TYPE	MAT'L.	FINISH		TYPE	MAT'L.	FINISH	SILL	JAMB	HEAD		
101	3'-0"X1'-0"X1-3/4"	B	H.M.	PAINT	01	FI	H.M.	PAINT	404	403	-	-	1, 5, 9, 10, 12, 13, 14
102	3'-0"X1'-0"X1-3/4"	B	H.M.	PAINT	01	FI	H.M.	PAINT	404	403	-	-	1, 5, 9, 10, 12, 13, 14
103	(2) 3'-0"X1'-0"X1-3/4"	A	H.M.	PAINT	02	F2	H.M.	PAINT	404	403	-	-	1, 5, 9, 14

ROOM FINISH SCHEDULE												
ROOM NO.	ROOM NAME	FLOOR	BASE	CEILING			WALLS				REMARKS	
				MTL.	HGT.	FINISH	N	E	S	W		
101	MEN'S RESTROOM	C.T. - 6 & T	C.T. - 6	GYP. BD.	8'-0"	PT. - 4	MAS.	MAS.	MAS.	MAS.	SEE CT TILE PATTERN TYPICAL	
102	WOMEN'S RESTROOM	C.T. - 6 & T	C.T. - 6	GYP. BD.	8'-0"	PT. - 4	MAS.	MAS.	MAS.	MAS.	SEE CT TILE PATTERN TYPICAL	
103	MAINTENANCE/UTILITY	CONC.	-	EXPOSED	-	PT. - 4	MAS.	MAS.	MAS.	MAS.		

**ABBREVIATIONS**

- AL/GL. = ALUMINUM & GLASS
- ALUM. = ALUMINUM
- CANOD. = CLEAR ANODIZED
- BI = BI-FOLD
- H.M. = HOLLOW METAL
- H.M.K.D. = HOLLOW METAL KNOCK DOWN
- GL. = GLASS
- MANF. = BY MANUFACTURER
- O.H. = OVERHEAD DOOR
- FFKD. = PRE-FIN. METAL KNOCK DOWN FRAME
- P. LAM. = PLASTIC LAMINATE
- PRE-FIN. = PRE-FINISHED
- STL. = STEEL
- S.V. = STAIN & VARNISH (FIELD FINISHED)
- WD. = WOOD, SOLID CORE

**CODED REMARKS**

1. CLOSER
2. SAFETY GLASS VISION LITE
3. SAFETY GLASS SIDE LITE
4. VINYL CARPET TO TILE JOINER
5. METAL THRESHOLD
6. MARBLE THRESHOLD
7. VINYL REDUCING STRIP
8. TERRAZZO STRIP
9. GROUT FILLED FRAME
10. LIMIT DOOR TO 90° SWING
11. DOOR TO OPEN 135°
12. FUSH / FULL
13. WALL MOUNTED DOOR STOP
14. WEATHER STRIPPING
15. KICK DOWN DOOR STOP

**GENERAL DOOR & FRAME NOTES**

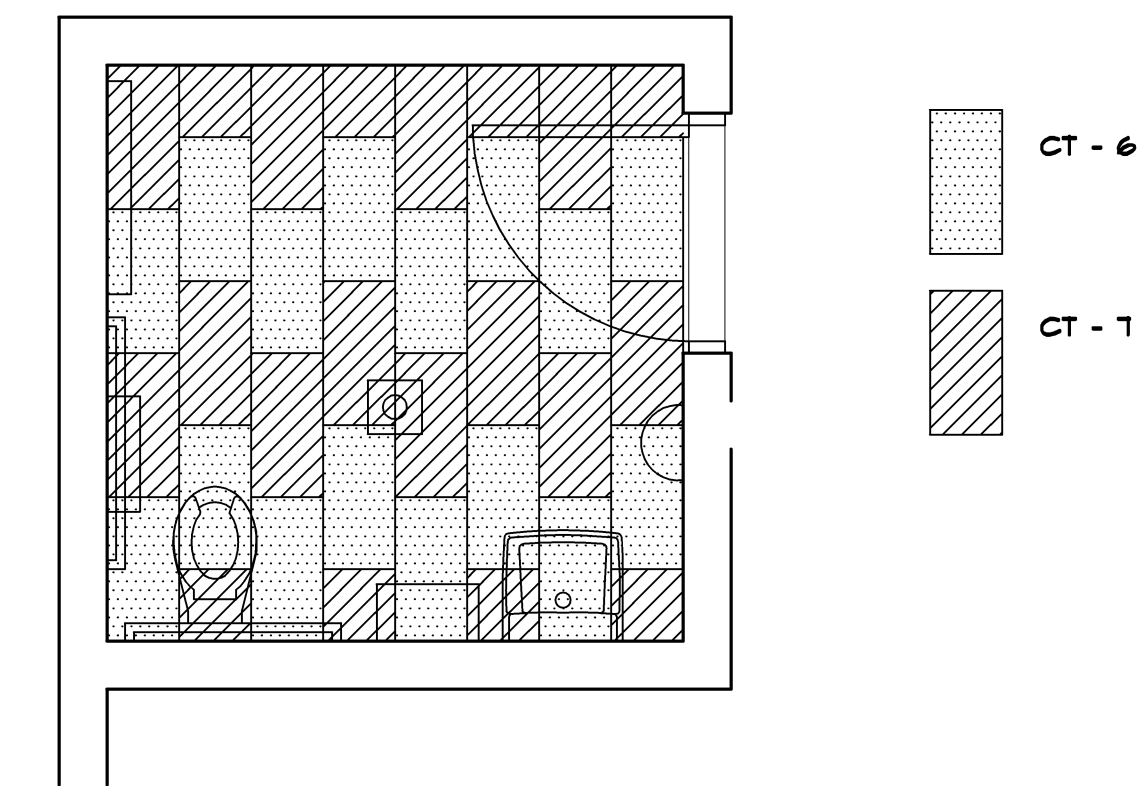
1. ALL DOOR FRAMES ARE TO RECEIVE CONTINUOUS BEAD OF SEALANT AT PERIMETER - BOTH SIDES.
2. ALL H.M. FRAMES SHALL BE GROUT FILLED.
3. ALL H.M. DOORS TO BE GALVANIZED, PAINTED

**MATERIAL KEY**

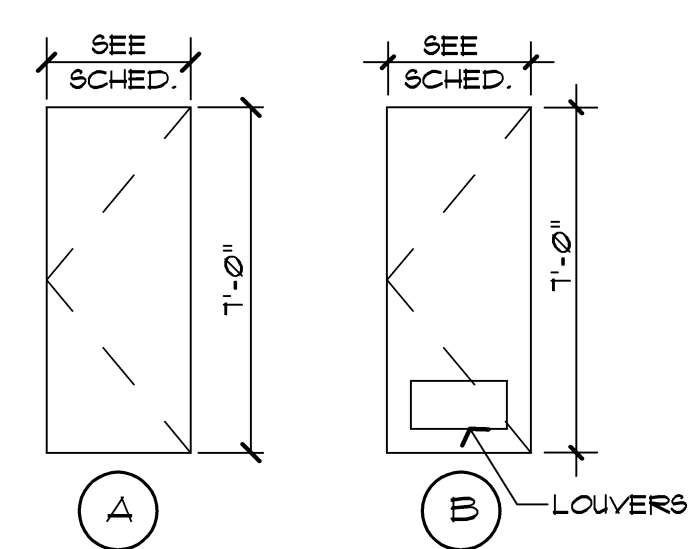
- ACT = ACOUSTIC CEILING TILE
- ACC = ACOUSTIC CEILING CANOPY
- AL/GL. = ALUMINUM & GLASS
- CAB. = CABINETS
- CONC. = CONCRETE
- CPT. = CARPET
- C.T. = CERAMIC TILE
- C.T.B. = CERAMIC TILE BASE
- E.C. = EXPOSED CONSTRUCTION
- EPNT. = EPOXY PAINT
- FUC. = FABRIC WALL COVERING
- G.B. = GYPSUM BOARD
- MAS. = MASONRY
- FFKD. = PRE-FIN. METAL KNOCK DOWN FRAME
- P. LAM. = PLASTIC LAMINATE
- FT. = PAINT
- PRE-FIN. = PRE-FINISHED
- R.B. = RUBBER BASE
- WD. = STAINED WOOD
- V.B. = VINYL BASE
- VCT. = VINYL COMPOSITION TILE
- VSF. = VINYL SHEET FLOORING
- VWC. = VINYL WALL COVERING
- WP. = WALL PROTECTION

**GENERAL REMARKS**

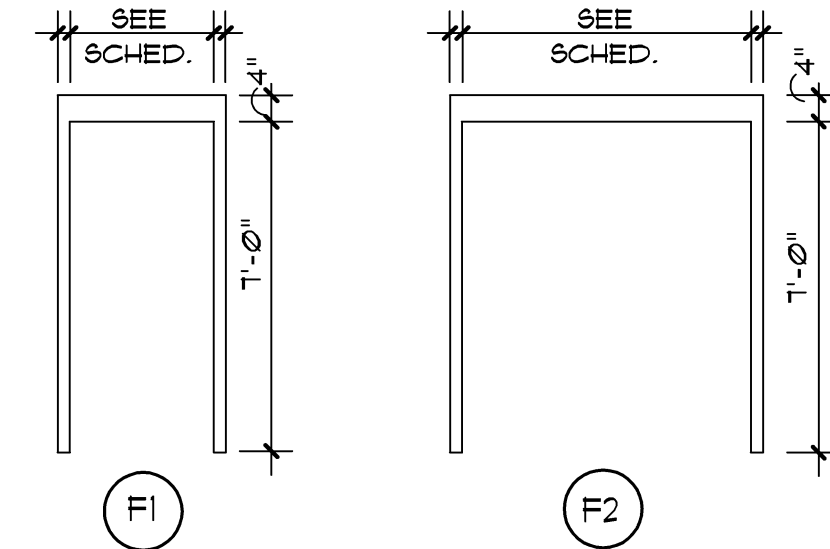
1. FLOOR MATERIAL CHANGES OCCUR AT CENTERLINE OF DOOR.
2. ACCESS PANELS, ELECTRICAL PANELS, HVAC REGISTERS & FIRE EXTINGUISHER CABINETS SHALL BE PRE-FINISHED OR PAINTED TO MATCH ADJACENT WALLS OR CEILINGS.
3. ALL DOOR & WINDOW FRAMES TO RECEIVE A CONTINUOUS BEAD OF SEALANT AT ALL PERIMETER EDGES.
4. ALL EXPOSED STEEL SHALL BE PAINTED.
5. REFER TO REFLECTED CEILING PLANS AND SECTIONS WHERE CEILING HEIGHT VARIES.
6. ALL GYPSUM BOARD SOFFITS SHALL BE PAINTED.



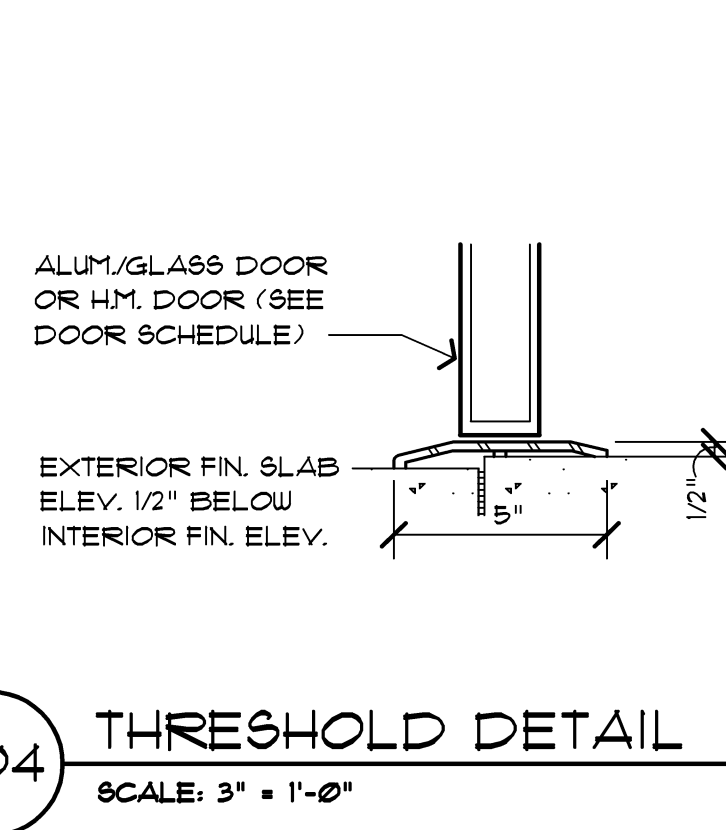
**TYPICAL TOILET ROOM CERAMIC TILE PATTERN**  
NTS.



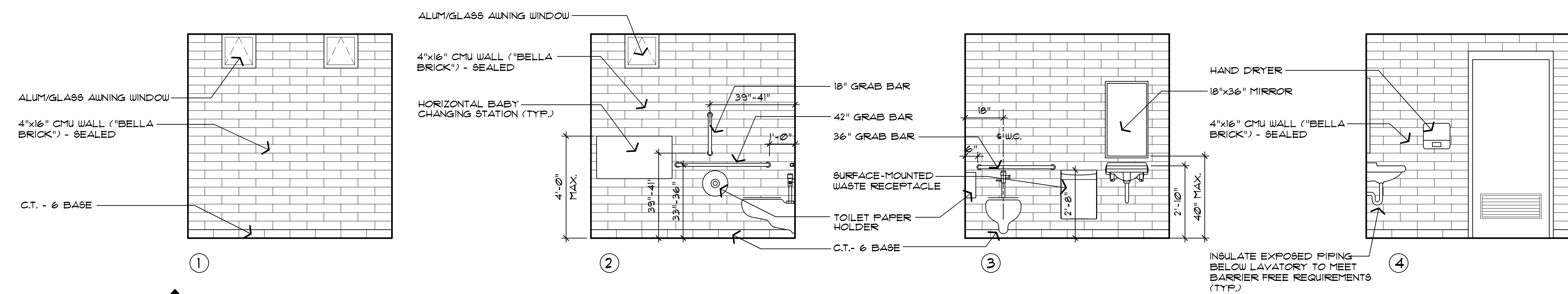
**DOOR TYPES**  
NO SCALE



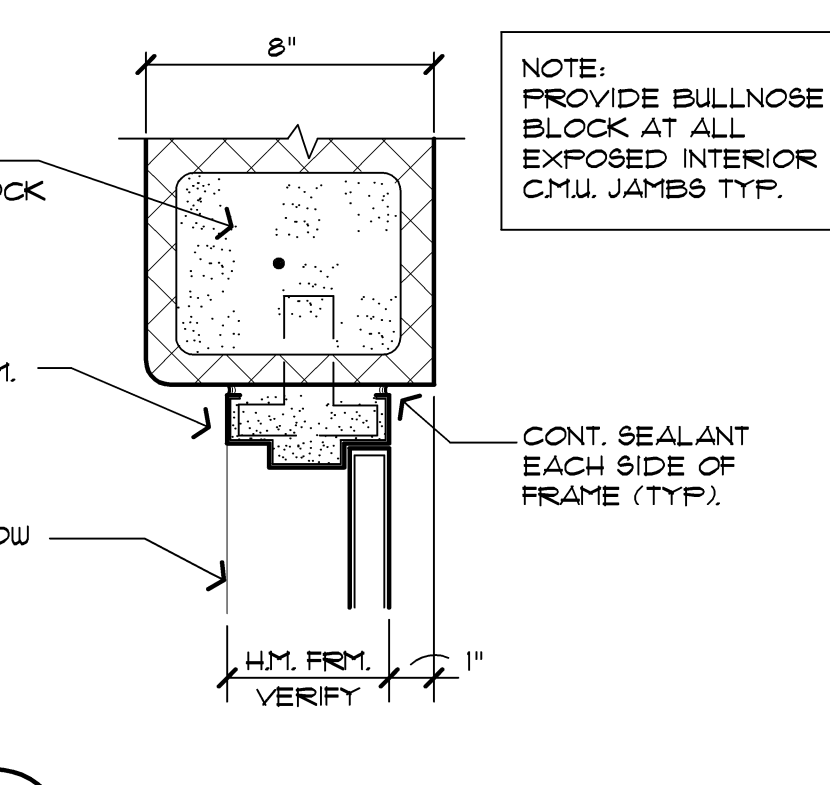
**FRAME TYPES**  
NO SCALE



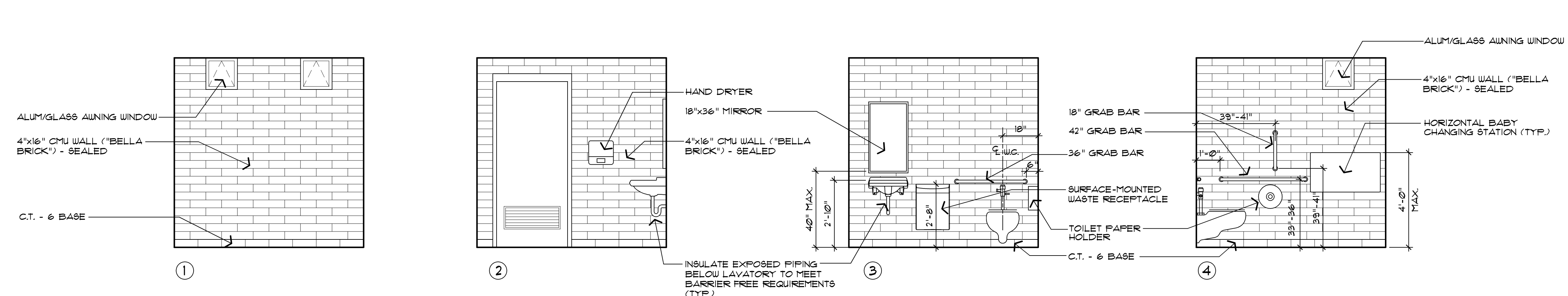
**404 THRESHOLD DETAIL**  
SCALE: 3" = 1'-0"



**402 WOMEN'S RESTROOM INTERIOR ELEVATIONS**  
SCALE: 3/8" = 1'-0"



**403 JAMB DETAIL**  
SCALE: 1 1/2" = 1'-0"



**401 MEN'S RESTROOM INTERIOR ELEVATIONS**  
SCALE: 3/8" = 1'-0"

Issue / revision date	checked by
3-7-17 Prelim. Review	
3-21-17 Prelim. Review	
5-9-17 Prelim. Review	
5-16-17 Prelim. Review	
6-7-17 City Review	
6-19-17 Bids	

drawn by \_\_\_\_\_ checked by \_\_\_\_\_

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project

Renovated Restrooms & Utility Building  
Interior Elevations  
sheet title

**Dorchen/Martin Associates, Inc.**  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. \_\_\_\_\_ sheet no. \_\_\_\_\_  
**16078A PAV3-A4**

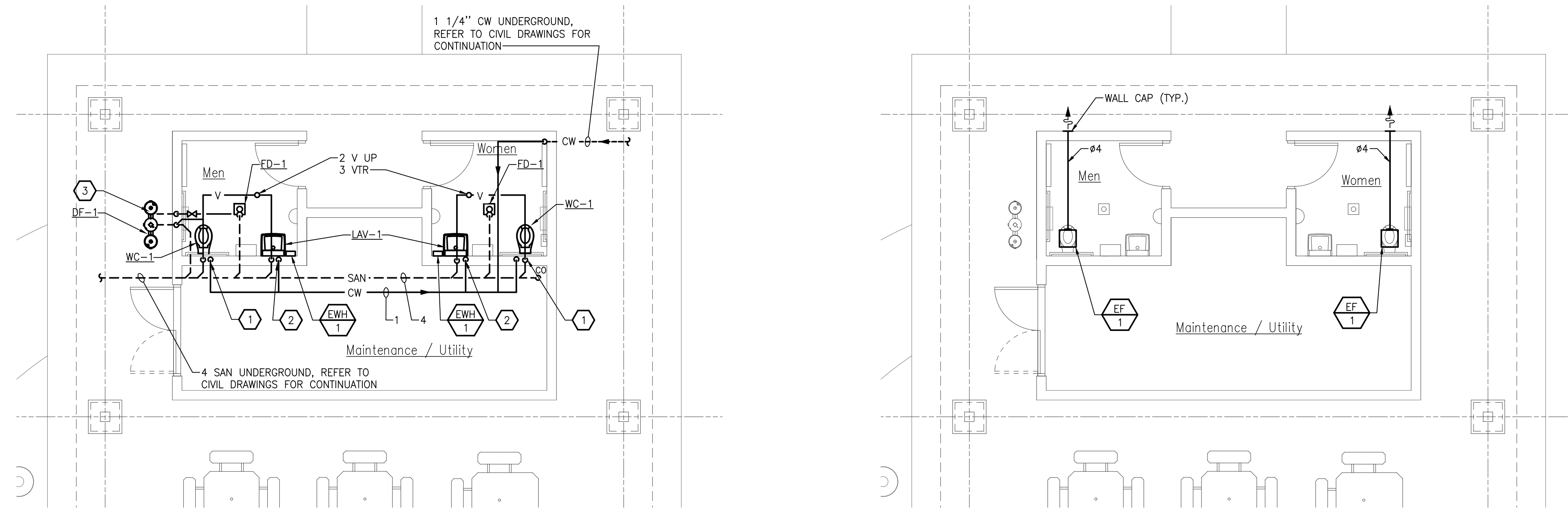
**MECHANICAL GENERAL NOTES**

1. THESE DRAWINGS ARE DIAGRAMMATIC & INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE PLUMBING AND HVAC SYSTEMS COMPLETE PER SPECIFICATION, SMACNA STANDARDS, AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS, SPECIAL RADIIUS OR MITERED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER STRUCTURAL CONDITIONS.
2. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY WORK.
3. DUCTWORK/PIPING SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT. DUCTWORK/PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
4. THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.
5. COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS ETC. WITH ARCHITECTURAL TRADES.
6. REFER TO ARCHITECTURAL PLANS FOR SPECIFICATIONS AND EXACT LOCATIONS OF FIXTURES (STANDARD AND BARRIER FREE), SINKS, ETC.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.
8. PIPING/DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT/ABOVE OF ELECTRICAL EQUIPMENT. PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
9. PIPING SHALL NOT BE INSTALLED IN A LOCATION THAT RESTRICTS THE ACCESS TO MECHANICAL DEVICES REQUIRING ACCESS.
10. HOT AND COLD WATER PIPING RUN-OUTS TO LAVS AND SINKS SHALL BE 3/4" UNLESS NOTED OTHERWISE. REFER TO PLUMBING FIXTURE SCHEDULE FOR CONNECTION SIZES. PROVIDE BRANCH LINE ISOLATION VALVES ON DOMESTIC PIPING TO EACH GROUP OF FIXTURES AND TOILET ROOMS. PROVIDE FULL OPEN VALVES PER PLUMBING CODE.
11. PROVIDE CODE REQUIRED CLEARANCE/ACCESS DOORS FOR DAMPERS, VALVES, AND CLEANOUTS LOCATED IN WALLS OR ABOVE HARD CEILING, AND LOCATIONS OF CLEANOUTS INSTALLED IN STORM AND SANITARY PIPING. COORDINATE LOCATIONS WITH ARCHITECT. PROVIDE CLEANOUTS AT THE BASE OF ALL STACKS. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPES.
12. FOR EQUIPMENT VALVING, COMPONENT, AND PIPING ARRANGEMENT, REFER TO PIPING DIAGRAMS AND DETAILS.
13. MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 5'-0".

architect seal



4000 E. Eleven Mile Road Ber. ley, MI 48072  
 Phone 248.399.1900 Fax 248.399.1901  
 www.sesnet.com  
 SES Project # 17 0454 01



**PAVILION 3 MECHANICAL NEAR OR PLANS**  
 SCALE: 3/16" = 1'-0"

**KEYED NOTES**

- 1 ROUTE 4" SANITARY, 2" VENT AND 1 1/4" CW DOWN TO WATER CLOSET.
- 2 ROUTE 1/2" SANITARY, 1 1/4" VENT, 1/2" HOT WATER DOWN TO LAVATORY.
- 3 ROUTE 3" SANITARY, 1 1/2" VENT AND 1/2" COLD WATER DOWN TO DRINKING FOUNTAIN.



Issue / revision date
5-09-17 Owner Review
6-06-17 Coordination
6-16-17 Bids

drawn by	checked by
RHM	JKK

City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan

**PAVILION 3  
 MECHANICAL NEW  
 WORK PLANS**

project sheet title

PLUMBING FIXTURE SCHEDULE								
TAG	BARRIER FREE	ITEM	PIPE CONNECTION SIZES				MANUFACTURER & MODEL NO.	ACCESSORIES
			WASTE	VENT	CW	HW		
FD-1	-	FLOOR DRAIN	3"	1 1/2"	-	-	ZURN: Z-415-B	
LAV-1	Y	WALL MOUNTED LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	AMERICAN STANDARD: LUCERNE	FAUCET: AMERICAN STANDARD: RELIANT 3, DECK MOUNTED SOAP DISPENSER: AMERICAN STANDARD MODEL # 4503.115. PROVIDE ASSE 1070 MIXING VALVE.
DF-1	-	BI-LEVEL DRINKING FOUNTAIN WITH BOTTLE FILLER	2"	1 1/2"	1/2"	-	MODEL 10145 SM, BLUE COLOR	PROVIDE WITH HOSE BIBB
WC-1	Y	WALL MOUNTED WATER CLOSET	4"	2"	1"	-	KOHLER: KINGSTON. MODEL: K-4325	FLUSH VALVE: KOHLER K-13516, 1.6 GPF

**NOTES:**

1. SUPPLY ALL FIXTURES WITH LOOSE KEY STOPS.
2. PROVIDE ALL ACCESSORIES NECESSARY FOR COMPLETE AND OPERABLE INSTALLATION.
3. PROVIDE CARRIERS FOR ALL FIXTURES PER MANUFACTURER'S RECOMMENDATIONS.
4. WHERE REQUIRED AND WHERE DESIGNATED, FIXTURES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE TO THE LATEST EDITION OF "THE BARRIER" FREE DESIGN REQUIREMENTS OF THE STATES CONSTRUCTION CODE.
5. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION/MOUNTING HEIGHT OF ALL FIXTURES.

EXHAUST FAN SCHEDULE										
UNIT ID	SERVING	TYPE	CFM	ESP (IN WG)	FAN RPM	MOTOR		ELECTRICAL		MODEL NO.
						WATTS	VOLTS	PHASE		
EF-1	RESTROOM	CEILING	90	0.25	1,161	20.7	120	1		FV-11VQ5

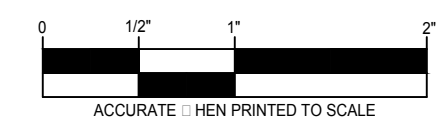
**NOTES:**

1. MODEL NUMBERS ARE PANASONIC UNLESS OTHERWISE NOTED.
2. PROVIDE WITH GRAVITY BACKDRAFT DAMPER.
3. CONTROL SHALL BE BY MANUAL MOTOR STARTER PROVIDED BY ELECTRICAL TRADES.
4. PROVIDE WALL CAP AT TERMINATION POINT.

TANLESS ELECTRIC WATER HEATER SCHEDULE					
UNIT ID	VOLTS	PHASE	HERTZ	KW INPUT	MODEL NO.
EW-1	208	1	60	4.1	SP4208

**NOTES:**

1. MODEL NUMBERS ARE EEMAX UNLESS OTHERWISE NOTED.



job no. **16078A** sheet no. **M1.2**



**ELECTRICAL GENERAL NOTES**

- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LIGHTING FIXTURES UNLESS OTHERWISE NOTED.
- SEE LUMINAIRE SCHEDULE ON ELECTRICAL GENERAL INFORMATION SHEET.
- EXIT LIGHTS AND EMERGENCY BATTERY UNITS SHALL BE UNCONTROLLED AND TIED AHEAD OF LOCAL AREA LIGHTING SWITCH, UNLESS CIRCUITED OTHERWISE.
- WHERE MORE THEN ONE LIGHT SWITCH IS INDICATED TO BE INSTALLED AT THE SAME LOCATION, THEY SHALL BE GROUPED UNDER ONE COMMON FACEPLATE.
- ALL ELECTRICAL DEVICES SHOWN ON THIS PLAN SHALL BE NEW UNLESS OTHERWISE NOTED.
- ANY 120 VOLT BRANCH CIRCUIT FEEDER LONGER THAN 75'-0" TO LAST DEVICE SHALL BE SIZED TO THE NEXT LARGER STANDARD AWG SIZE. E.C. SHALL FIELD VERIFY ALL LENGTHS OF FEEDERS.
- ALL RECEPTACLES SHALL BE 20A. RATED.
- ALL DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE.
- ALL RECEPTACLES WITHIN 6'-0" OF SINK OR OTHER WATER SUPPLY SHALL BE GFCI TYPE RECEPTACLE.
- REFER TO ARCHITECTURAL FLOOR PLAN AND ELEVATIONS FOR EXACT LOCATION OF DEVICES.
- ALL JUNCTION BOXES SERVING BRANCH CIRCUIT WIRING SHALL BE LABELED WITH CIRCUITS SERVED.
- ALL 120 VOLT CIRCUITS SHALL UTILIZE A SEPARATE NEUTRAL.
- ALL CONDUITS SERVING 120 VOLTS OR GREATER SHALL INCLUDE A GROUND WIRE.
- ALL CONDUITS SHALL BE ROUTED CONCEALED UNLESS NOTED OTHERWISE.
- ALL ELECTRICAL EQUIPMENT MOUNTED ON THE FLOOR SHALL BE MOUNTED ON A 4" CONCRETE HOUSE KEEPING PAD.
- ALL BRANCH CIRCUIT WIRING SHALL BE 2#12, 1#12GND IN 3/4" CONDUIT, UNLESS NOTED OTHERWISE.

architect seal

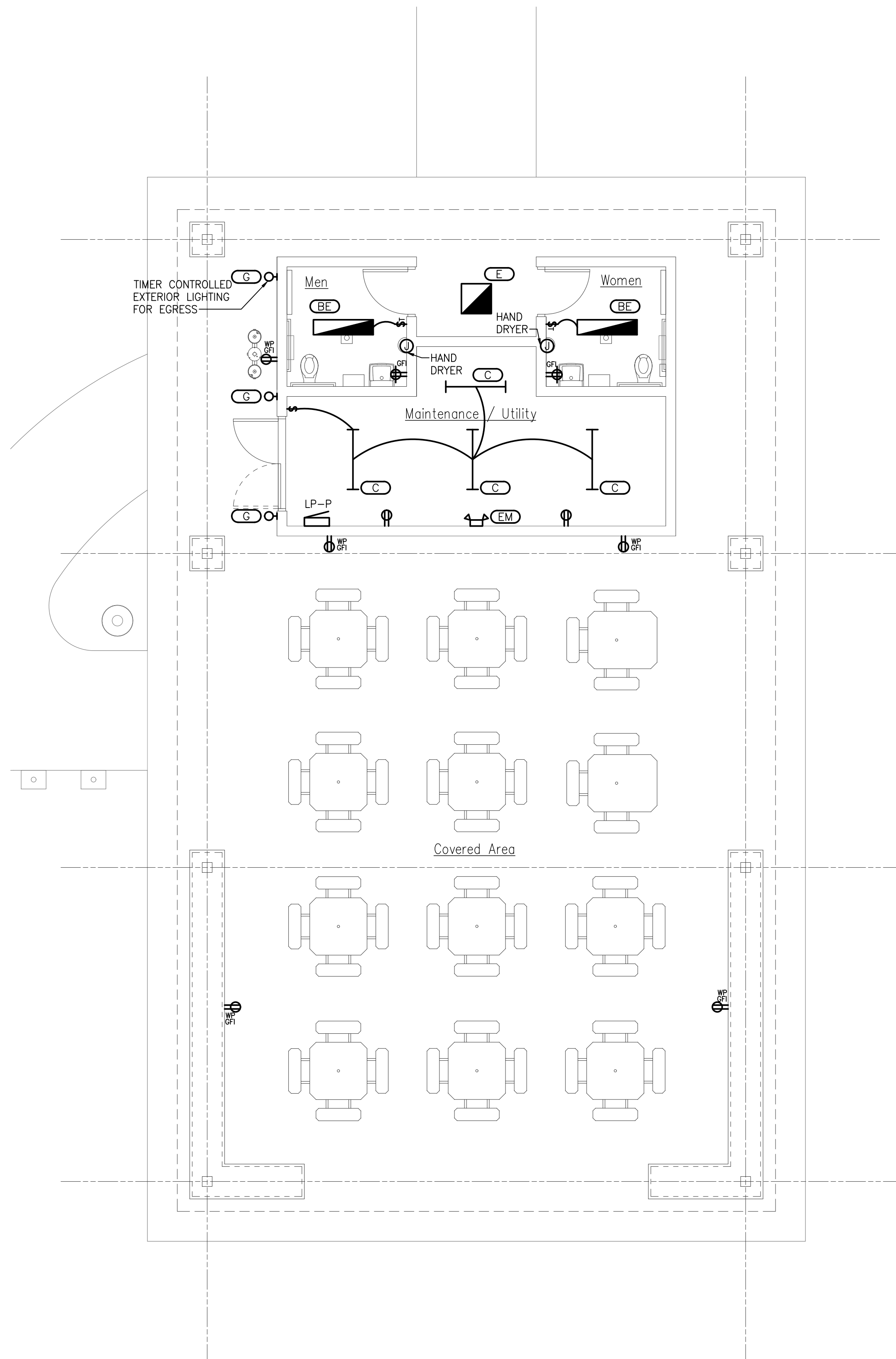


Issue / revision date	Owner Review
5-09-17	Coordination
6-06-17	Bids
6-16-17	

drawn by: CEM checked by: PDH

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
PROJECT

PAVILION 3  
ELECTRICAL NEW  
WORK PLAN  
sheet title



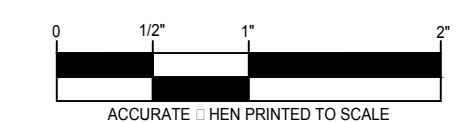
<b>PANEL NAME: LP-P</b>		<b>MAIN: 150A BREAKER</b>		<b>L-L VOLTAGE: 208</b>	
<b>LOCATION: PAVILION #3</b>		<b>BUSING: 225A</b>		<b>L-N VOLTAGE: 120</b>	
<b>SOURCE: FARMER'S MARKET SERVICE</b>		<b>GROUND BUS: STANDARD</b>		<b>PHASE: 1</b>	
<b>FEEDER SIZE:</b>		<b>MOUNTING: SURFACE</b>		<b>WIRE: 3</b>	
		<b>NEUTRAL: 100%</b>		<b>MIN SC INTERRUPT RATING: 22kA</b>	

LOAD DESCRIPTION	LIGHTING LOAD	RECEPTACLE LOAD	CONTINUOUS LOAD	NON-CONTINUOUS LOAD	OC PD	CKT	L1	L2	CKT	OC PD	NON-CONTINUOUS LOAD	CONTINUOUS LOAD	RECEPTACLE LOAD	LIGHTING LOAD	LOAD DESCRIPTION
PARKING LOT LIGHTING	1400	0			20	1			2	20			0	1000	SPORT FIELD LIGHTING - SOCCER
PARKING LOT LIGHTING	1000	0			20	3			4	20			0	1000	SPORT FIELD LIGHTING - SOCCER
PARKING LOT LIGHTING	1200	0			20	5			6	20			0	1000	SPORT FIELD LIGHTING - SOCCER
SPARE	0	0			20	7			8	20			0	1000	SPORT FIELD LIGHTING - SOCCER
SPARE	0	0			20	9			10	20			0	1000	SPORT FIELD LIGHTING - BASKETBALL
SPARE	0	0			20	11			12	20			0	1000	SPORT FIELD LIGHTING - BASKETBALL
SPARE	0	0			20	13			14	20			0	1000	SPORT FIELD LIGHTING - BASKETBALL
SPARE	0	0			20	15			16	20			0	1000	SPORT FIELD LIGHTING - BASKETBALL
SPARE	0	0			20	17			18	20			0		SPARE
SPARE	0	0			20	19			20	20			0		SPARE
SPACE	0	0			20	21			22	20			0		SPACE
SPACE	0	0			20	23			24	20			0		SPACE
SPACE	0	0			20	25			26	20			0		SPACE
SPACE	0	0			20	27			28	20			0		SPACE
SPACE	0	0			20	29			30	20			0		SPACE
SPACE	0	0			20	31			32	20			0		SPACE
SPACE	0	0			20	33			34	20			0		SPACE
SPACE	0	0			20	35			36	20			0		SPACE
SPACE	0	0			20	37			38	20			0		SPACE
SPACE	0	0			20	39			40	20			0		SPACE

LOAD TYPE	CONNECTED LOAD			DEMAND FACTOR	DEMAND LOAD		
	L1	L2	TOTAL		L1	L2	TOTAL
LIGHTING LOAD (VA)	6400	5000	11600	1.00	6400	5000	11600
RECEPTACLE LOAD (VA)	0	0	0	1.00 (FIRST 10KVA) 0.50 (> 10KVA)	0	0	0
CONTINUOUS LOAD (VA)	0	0	0	1.00	0	0	0
NON-CONTINUOUS (VA)	0	0	0	0.80	0	0	0
TOTAL LOAD (KVA)	6.40	5.00	11.60	125% OF LIGHT/CONT AND RECEPT (<10KVA) LOAD PLUS OTHER LOAD	6.40	5.00	11.60
TOTAL AMPACITY (A)	55.0	41.7	55.8	<---- PER NEC ARTICLE 215.2 ---->	55.0	41.7	55.8
MINIMUM FEEDER SIZE (A)	68.8	52.1	69.7		68.8	52.1	69.7

RECEPTACLE DEMAND FACTOR PER ARTICLE 220.44 OF THE NEC

**PAVILION 3 ELECTRICAL NEW WORK PLAN**  
SCALE: 3/16" = 1'-0"

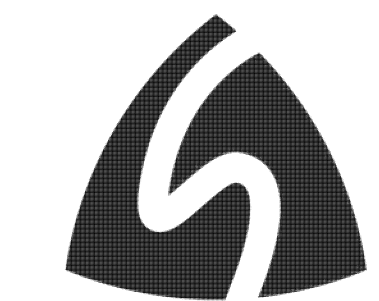
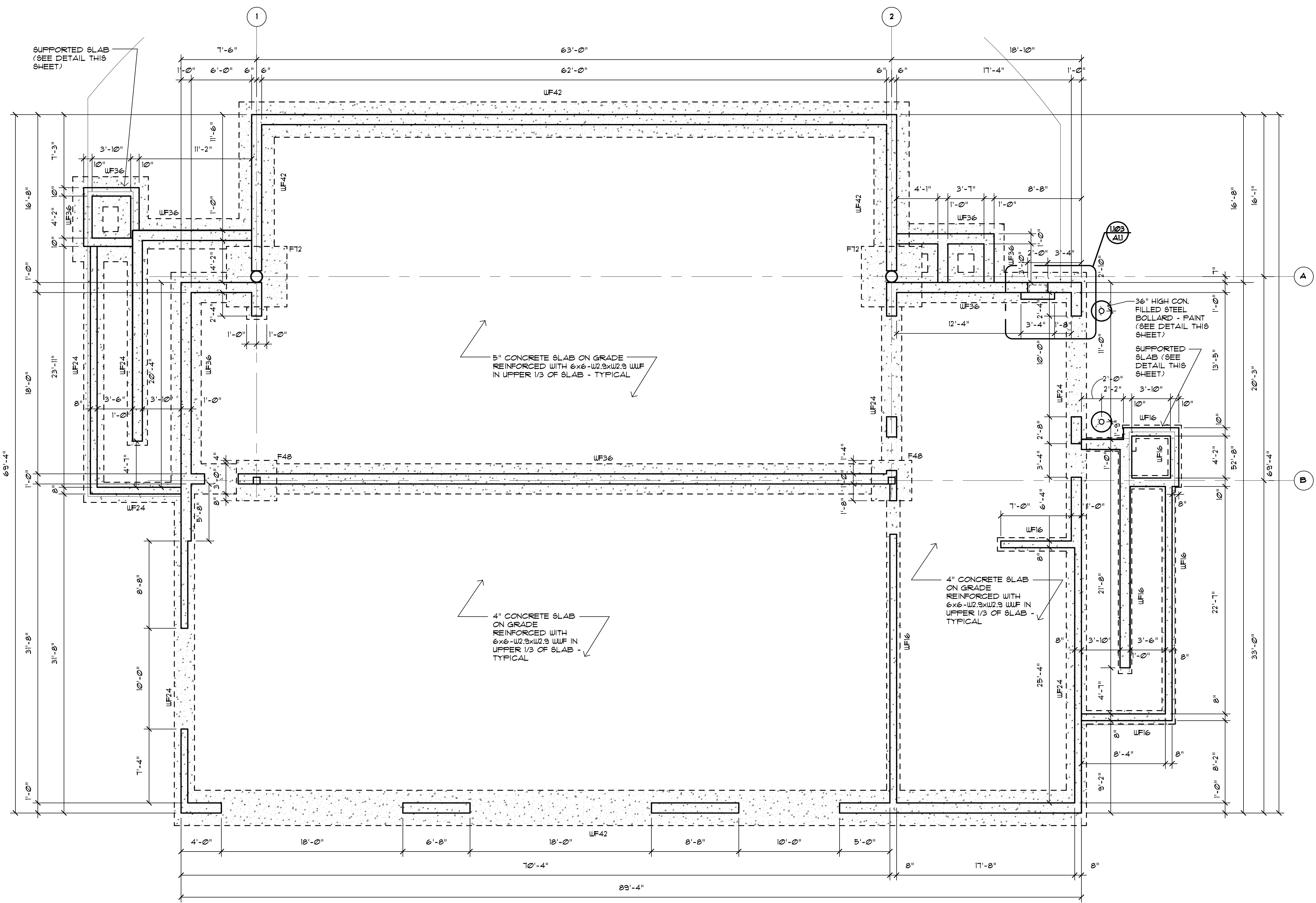
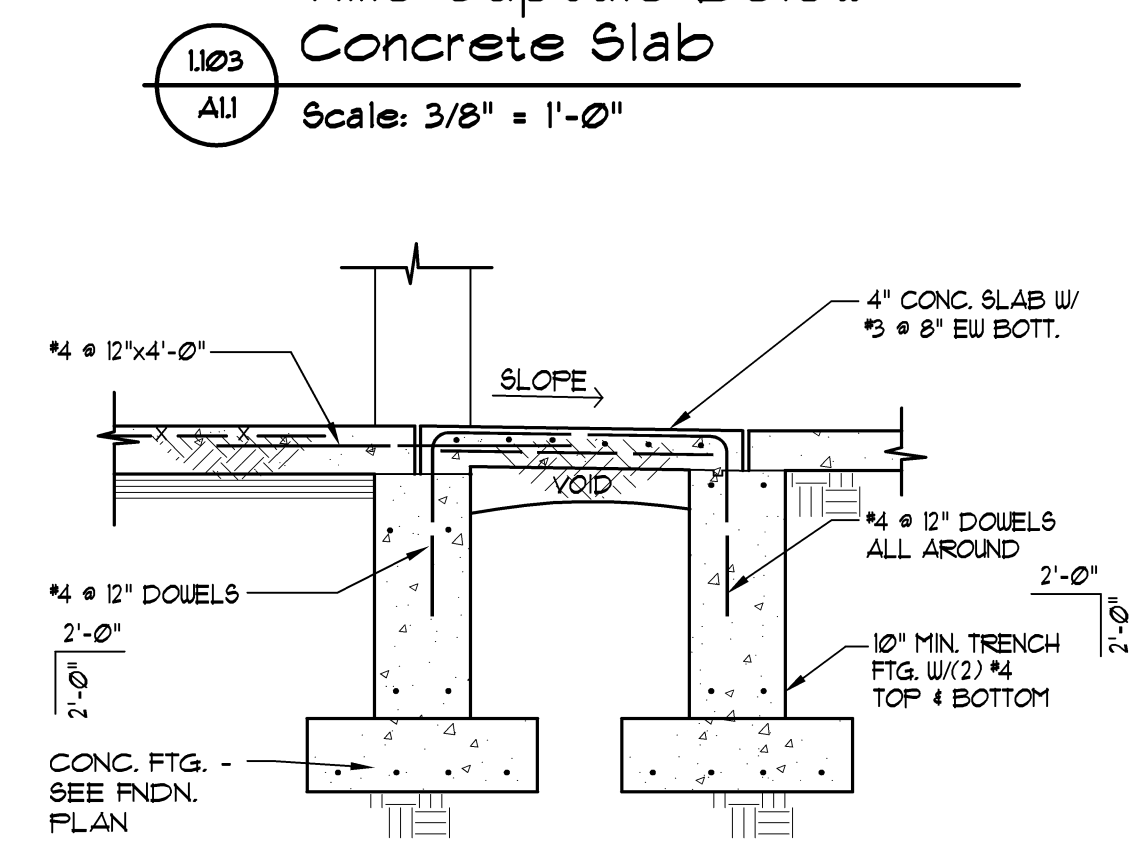
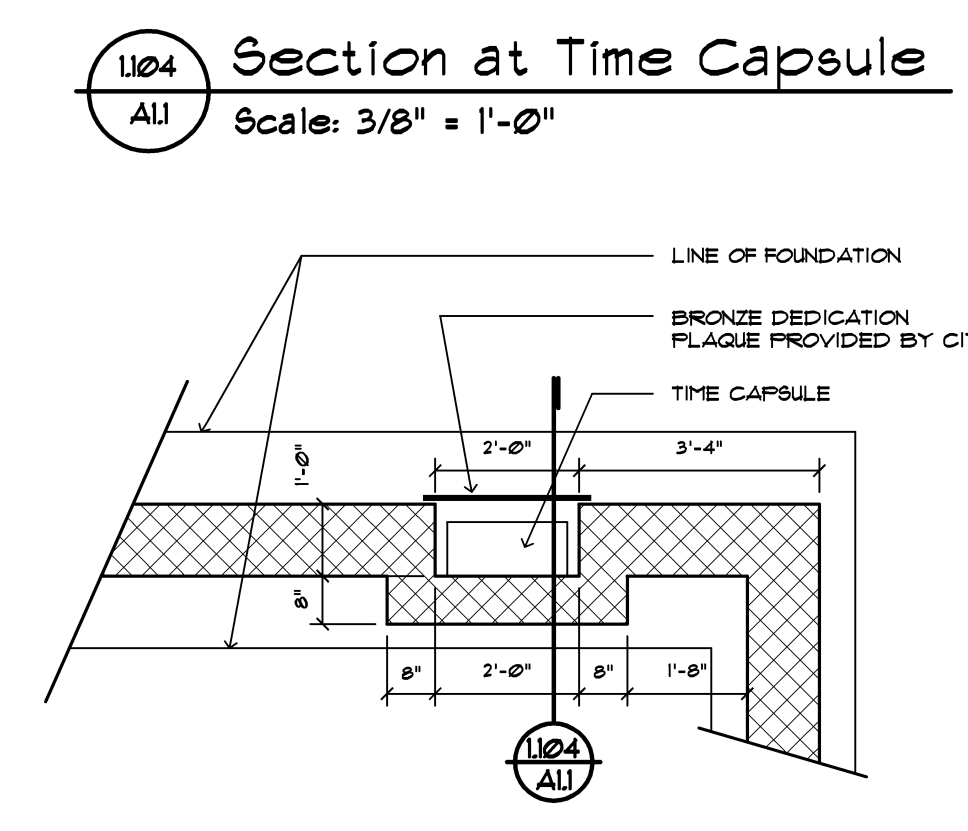
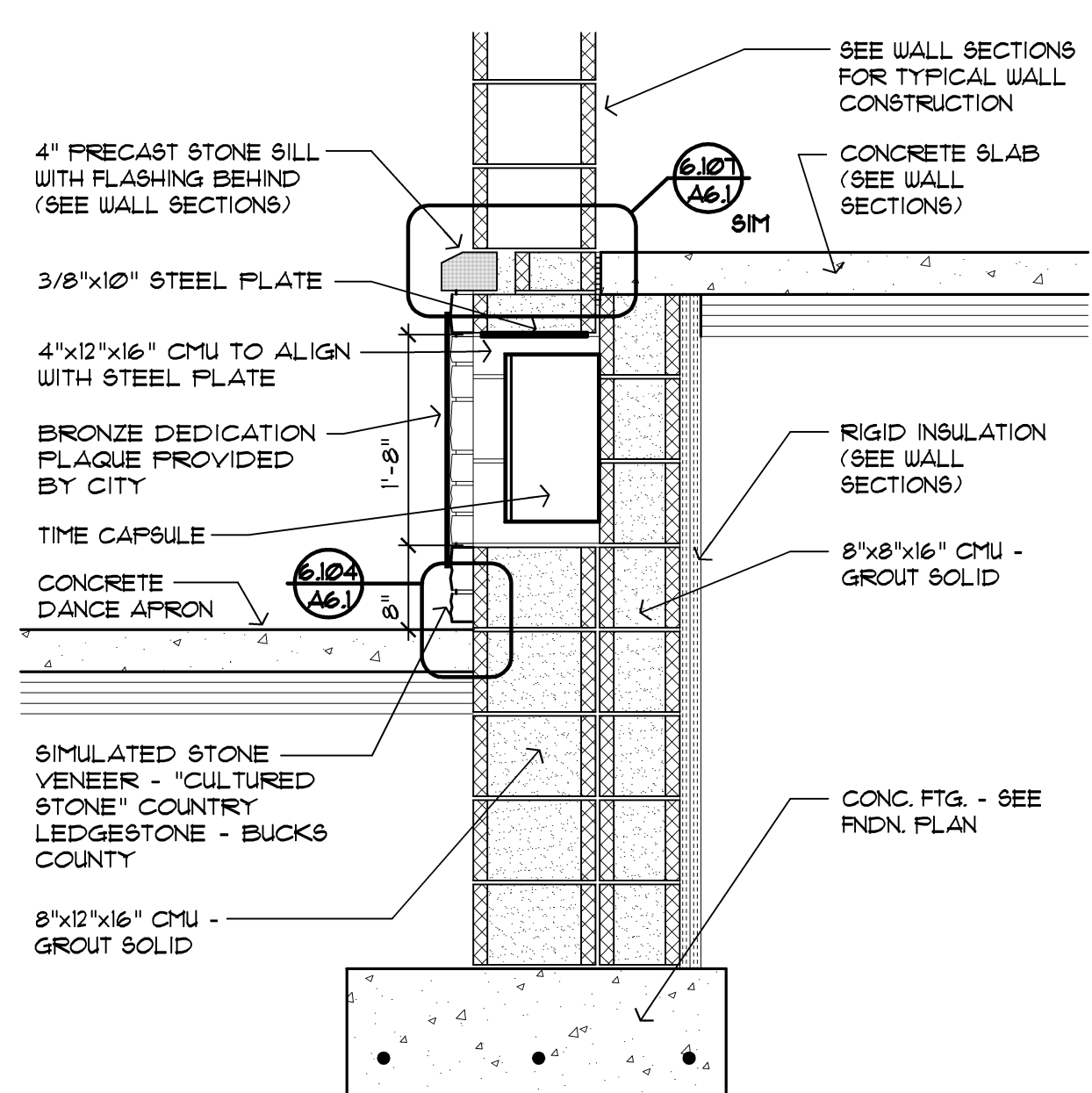
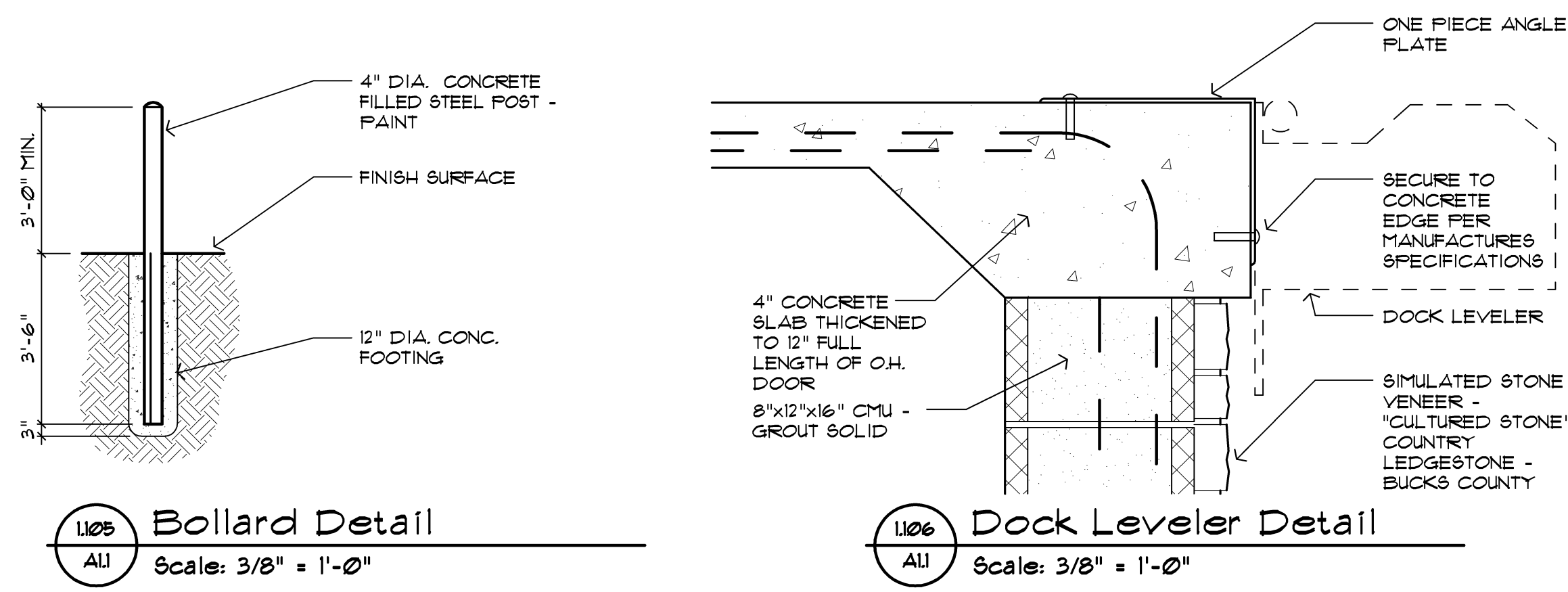


job no. 16078A sheet no. E12





FOUNDATION SCHEDULE	
UF16	16" WIDE x 12" DEEP w/ 2-#5 BOTTOM
UF20	20" WIDE x 12" DEEP w/ 2-#5 BOTTOM
UF24	24" WIDE x 12" DEEP w/ 3-#5 BOTTOM
UF36	36" WIDE x 12" DEEP w/ 4-#5 BOTTOM
UF42	42" WIDE x 12" DEEP w/ 4-#5 BOTTOM
F48	48"x48"x12" DEEP w/5-#5 EACH WAY BOTTOM
F12	12"x12"x16" DEEP w/1-#5 EACH WAY BOTTOM



Issue / revision date
3-7-17 Prelim. Review
3-21-17 Prelim. Review
5-9-17 Prelim. Review
5-16-17 Prelim. Review
6-7-17 City Review
6-19-17 Bids

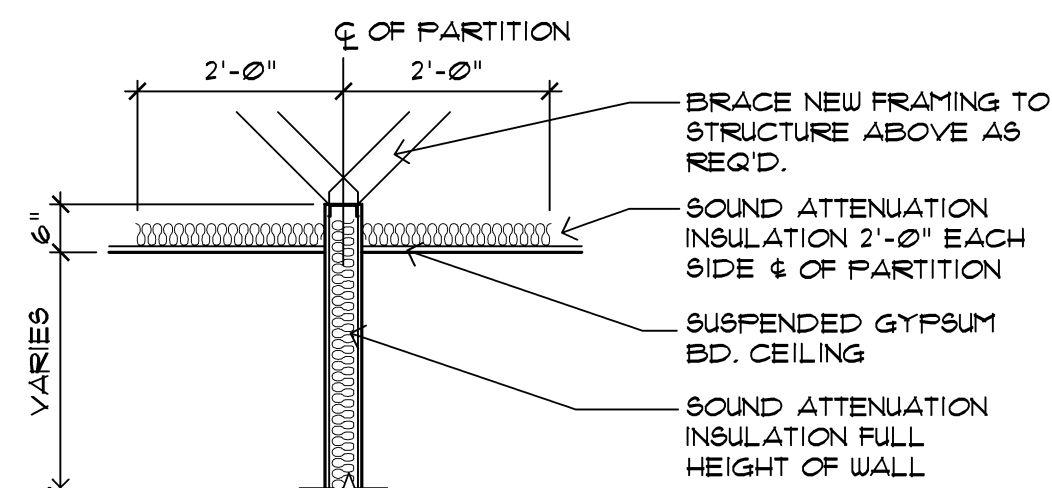
drawn by \_\_\_\_\_ checked by \_\_\_\_\_

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project

Amphitheater  
Foundation Plan  
sheet title

**Dorchen/Martin Associates, Inc.**  
Architects/Planners  
2985 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. \_\_\_\_\_ sheet no. \_\_\_\_\_  
**16078A AMP-A11**



Interior Wall Detail  
(See Wall Schedule)

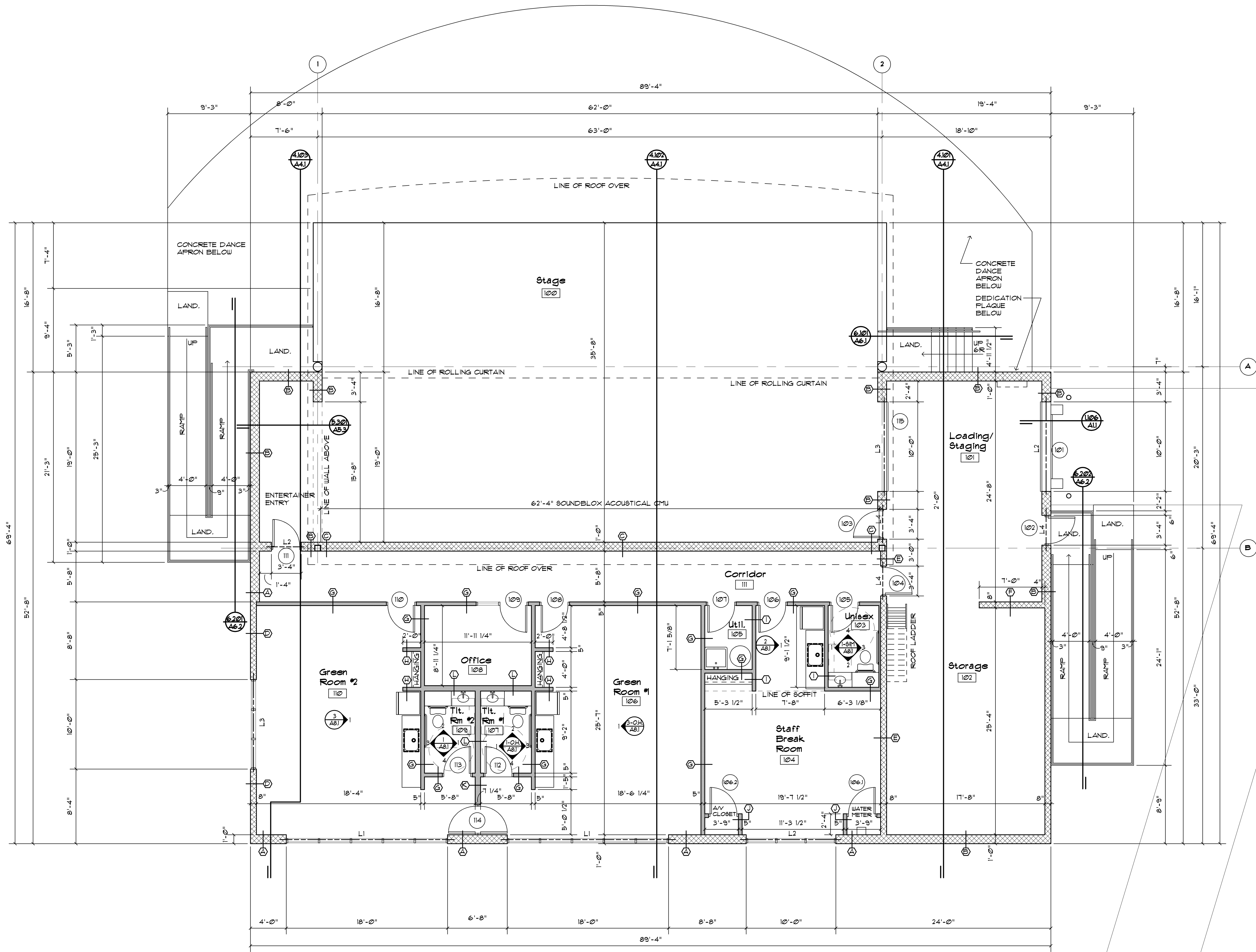
Scale: 3/16 = 1'-0"

STEEL LINTEL SCHEDULE

- L1 - W6x36 + FL
  - L2 - W8x18 + FL
  - L3 - W8x18 + FL
  - L4 - L4x3 1/2 x 5/16 ANGLE
- ALL DOUBLE ANGLE LINTELS SHALL BE WELDED BACK TO BACK WITH A MINIMUM 2 INCH STITCH WELD EVERY 8 INCHES.
- ALL MASONRY BEARING STEEL BEAMS AND LINTELS TO BEAR 8" MINIMUM ON 3 COURSES SOLID MASONRY, WITH 2-3/4" DIAMETER BOLTS EACH END, UNLESS OTHERWISE NOTED.

WALL TYPE SCHEDULE

- A 4"x16"x12" CMU FULL HEIGHT EXTERIOR WALL - CONSUMERS CONCRETE "BELLA BRIK" CINCINNATI BLEND W/ CORE FILL INSULATION  
SEE ELEVATIONS AND WALL SECTIONS FOR MORE INFORMATION AND LOCATIONS OF SIMULATED STONE VENEER, SIDING AND STONE SILLS  
SEAL EXPOSED INTERIOR SURFACES
- B 4"x16"x12" CMU FULL HEIGHT EXTERIOR WALL - CONSUMERS CONCRETE "BELLA BRIK" CINCINNATI BLEND  
SEE ELEVATIONS AND WALL SECTIONS FOR MORE INFORMATION AND LOCATIONS OF SIMULATED STONE VENEER, SIDING AND STONE SILLS  
SEAL EXPOSED INTERIOR SURFACES
- C 8"x16"x12" ACOUSTICAL BLOCK FULL HEIGHT EXTERIOR WALL - PROUDFOOT "SOUNDBLOX" R5C/R6 CORE FILL INSULATION AS DIRECTED BY MANUFACTURER  
SEAL EXPOSED INTERIOR SURFACES  
EXTERIOR TO BE PAINTED - COLOR T.B.D.
- D 4"x16"x8" CMU FULL HEIGHT EXTERIOR WALL - CONSUMERS CONCRETE "BELLA BRIK" CINCINNATI BLEND W/ CORE FILL INSULATION  
SEE ELEVATIONS AND WALL SECTIONS FOR MORE INFORMATION AND LOCATIONS OF SIMULATED STONE VENEER, SIDING AND STONE SILLS  
SEAL EXPOSED INTERIOR SURFACES
- E 4"x16"x8" CMU FULL HEIGHT INTERIOR WALL (EXTERIOR OF HEATED SPACE) - CONSUMERS CONCRETE "BELLA BRIK" CINCINNATI BLEND W/ CORE FILL INSULATION  
SEAL EXPOSED INTERIOR SURFACES
- F 4"x16"x8" CMU FULL HEIGHT INTERIOR WALL - CONSUMERS CONCRETE "BELLA BRIK" CINCINNATI BLEND  
SEAL EXPOSED INTERIOR SURFACES
- G 5/8" GYP. BD. ON  
3 5/8" METAL STUD  
3 1/2" SOUND ATTENUATION BATT INSULATION ON  
5/8" GYP. BD.  
EXTEND WALL TO BOTTOM OF ROOF DECK ABOVE
- H 5/8" GYP. BD. ON  
3 5/8" METAL STUD ON  
5/8" GYP. BD.  
TOP OF WALL AT 5'-6" AFF.
- I 5/8" GYP. BD. ON  
3 5/8" METAL STUD  
3 1/2" SOUND ATTENUATION BATT INSULATION ON  
5/8" GYP. BD.  
EXTEND WALL 6" ABOVE GYP. CEILING  
(SEE DTL 1202/A12)
- J 5/8" GYP. BD. ON  
3 5/8" METAL STUD ON  
5/8" GYP. BD.  
TOP OF WALL AT 10'-0" AFF.
- K 5/8" GYP. BD. ON  
6" METAL STUD  
3 1/2" SOUND ATTENUATION BATT INSULATION ON  
5/8" GYP. BD.  
EXTEND WALL TO BOTTOM OF ROOF DECK ABOVE
- L 5/8" GYP. BD. ON  
6" METAL STUD  
3 1/2" SOUND ATTENUATION BATT INSULATION ON  
5/8" GYP. BD.  
EXTEND WALL 6" ABOVE GYP. CEILING  
(SEE DTL 1202/A12)



1201 Floor Plan  
A12 Scale: 3/16 = 1'-0"



architect seal



Issue / revision date
3-7-17 Prelim. Review
3-21-17 Prelim. Review
5-9-17 Prelim. Review
5-16-17 Prelim. Review
6-7-17 City Review
6-19-17 Bids

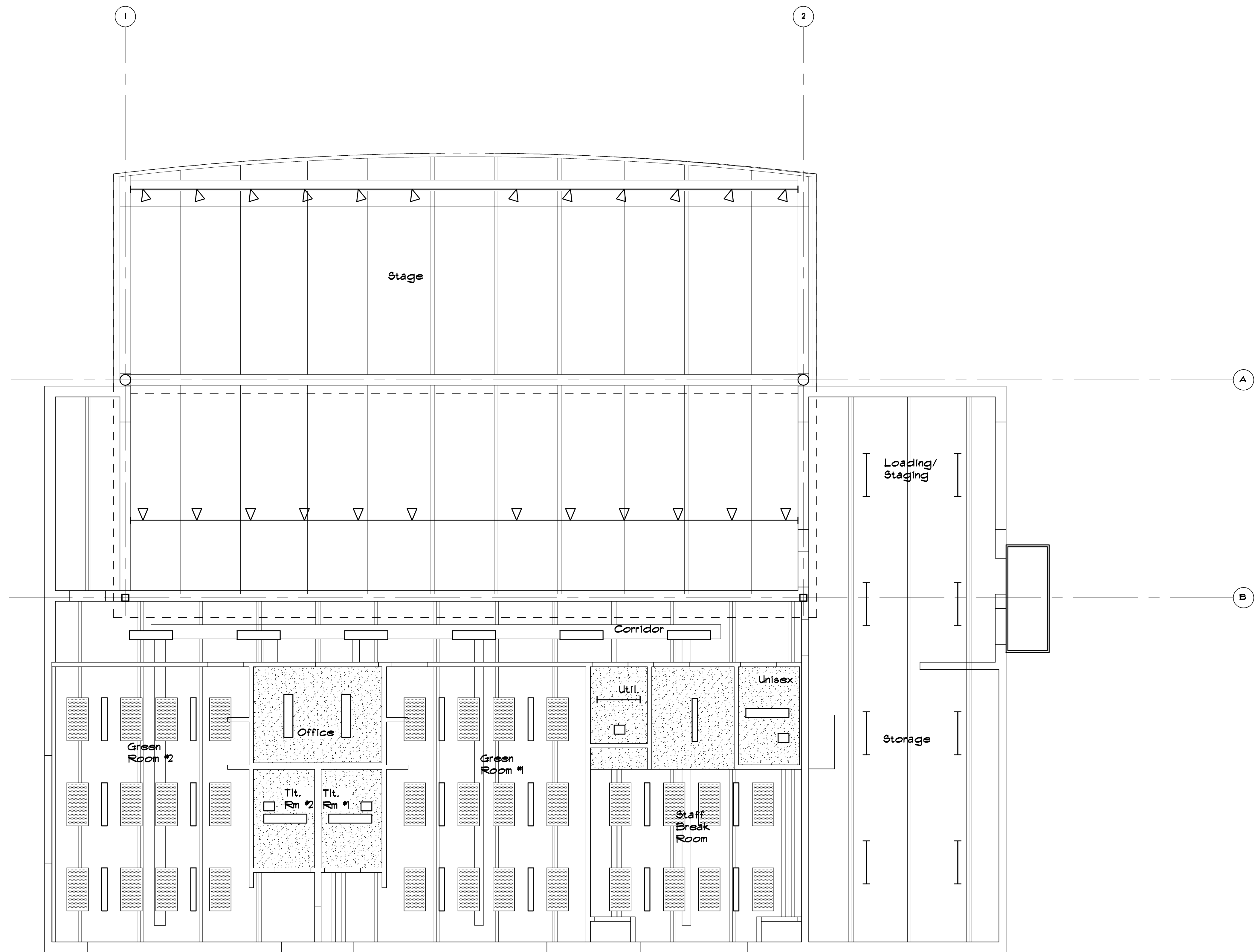
drawn by checked by

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project sheet title  
Amphitheater Floor Plan

Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. sheet no.

16078A AMP-A12



issue / revision date	description
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

drawn by

checked by

City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan

project

Amphitheater  
 Reflected Ceiling Plan

sheet title

**Dorchen/Martin Associates, Inc.**  
 Architects/Planners  
 2985 Greenfield Rd., Suite 107  
 Southfield, Michigan 48076  
 (248) 557-1062  
 Fax: (248) 557-1231

1301 Reflected Ceiling Plan  
 AL3 Scale: 3/16" = 1'-0"

NORTH

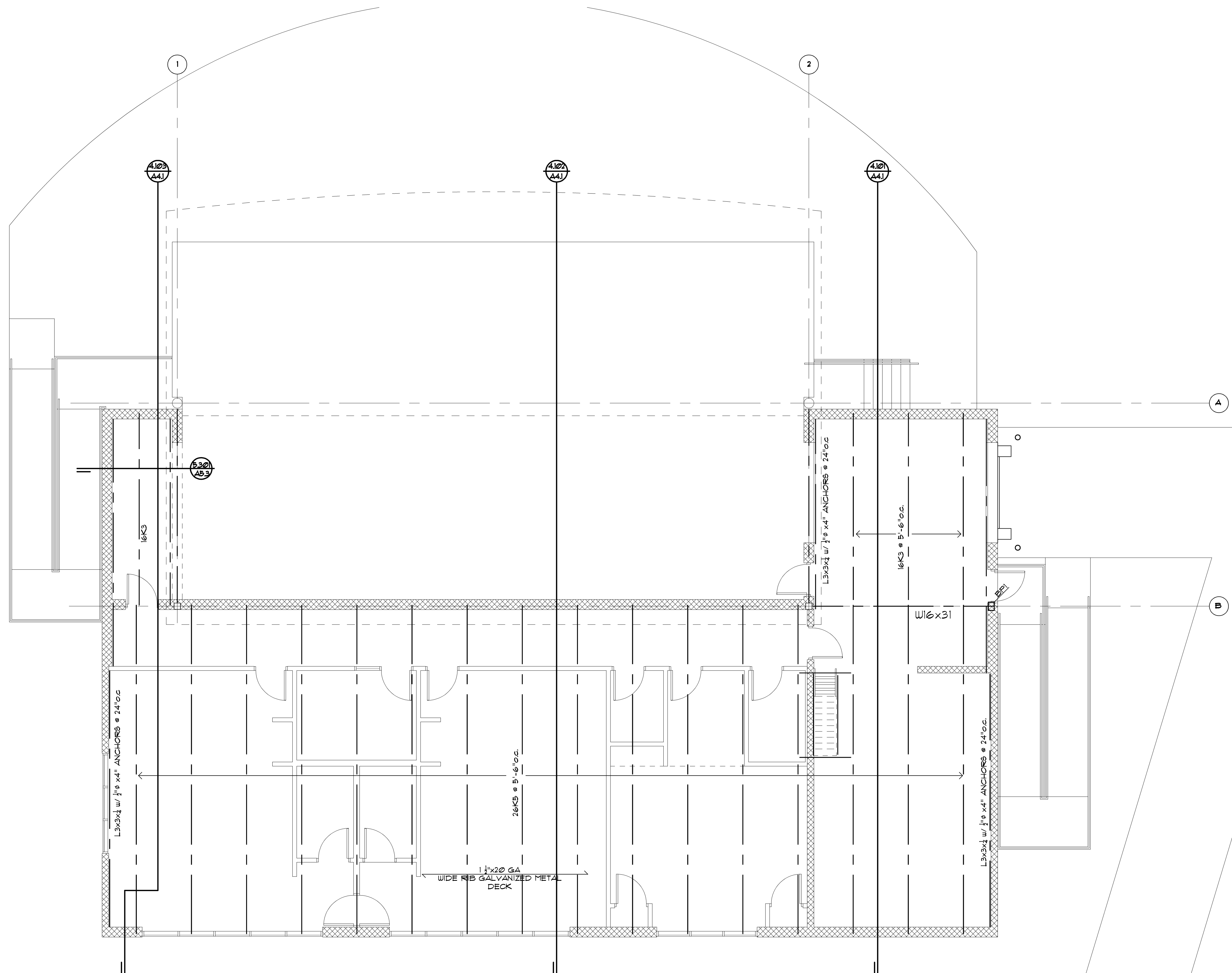


job no.

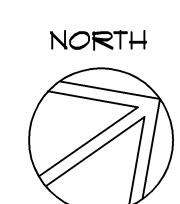
sheet no.

16078A AMP-A13





1501 Roof Framing Plan - Low  
 A15 Scale: 3/16" = 1'-0"



**MATERIAL SCHEDULE**

C1	12" Ø STD. PIPE w/ 18"x1"x18" BASE PLATE AND 4-1"Øx18" HEADED ANCHOR BOLTS
C2	HSS 8x8x1/4 w/ 14"x3"x14" BASE PLATE AND 4-3/4"x 16" HEADED ANCHOR BOLTS
BP	1"x10"x3/8" BEARING PLATE w/ 2-1/2"x6" HEADED ANCHOR STUDS (TYPICAL AT JOISTS)
BPI	1"x11"x3/8" BEARING PLATE w/ 2-3/4"x12" HEADED ANCHOR BOLTS (TYPICAL AT BEAMS)



issue / revision date	description
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

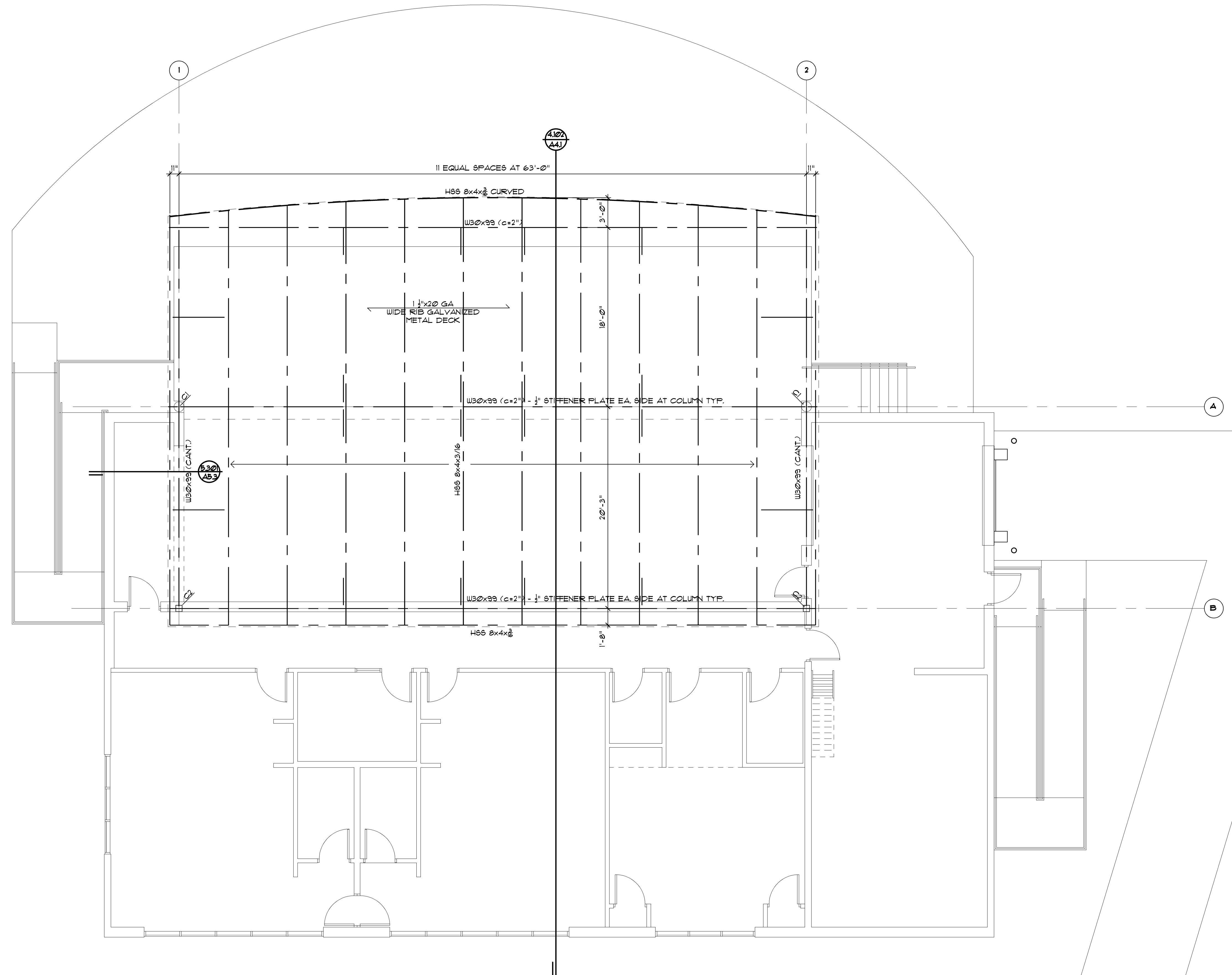
drawn by \_\_\_\_\_ checked by \_\_\_\_\_

City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan  
 project

Amphitheater  
 Roof Framing Plan  
 sheet title



job no. \_\_\_\_\_ sheet no. \_\_\_\_\_  
 16078A AMP-A15



issue / revision date	description
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

drawn by \_\_\_\_\_ checked by \_\_\_\_\_

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project

Amphitheater  
Roof Framing Plan  
sheet title

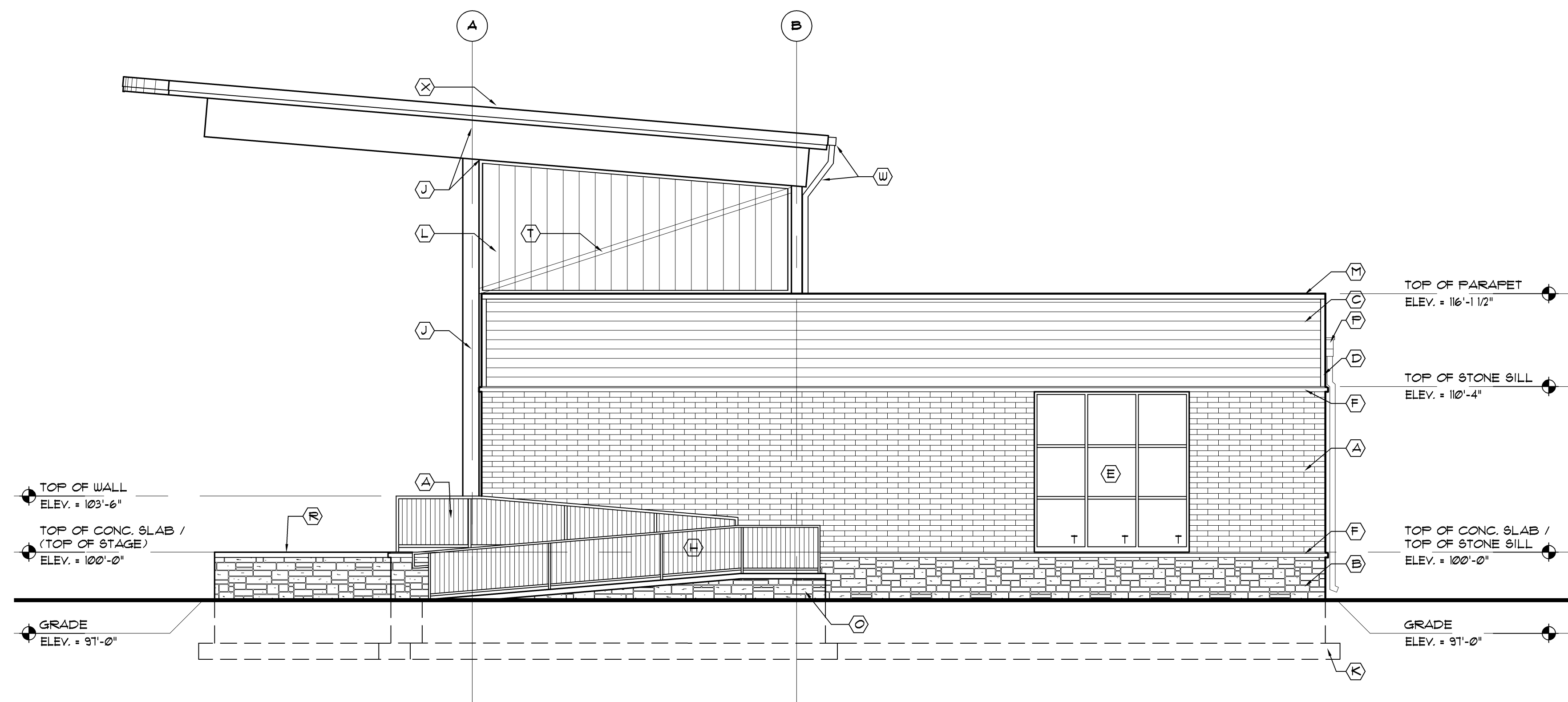
**Dorchen/Martin Associates, Inc.**  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

16078A  
A1.6  
Roof Framing Plan - High  
Scale: 3/16" = 1'-0"



**MATERIAL SCHEDULE**

C1	2" STD. PIPE w/ 18"x1"x18" BASE PLATE AND 4-1"x18" HEADED ANCHOR BOLTS
C2	HSS 8x8x8 w/ 14"x2"x14" BASE PLATE AND 4-3/4"x 16" HEADED ANCHOR BOLTS
BP	1"x10"x1/2" BEARING PLATE w/ 2-1/2"x6" HEADED ANCHOR STUDS (TYPICAL AT JOISTS)
BP1	1"x17"x1/2" BEARING PLATE w/ 2-3/4"x12" HEADED ANCHOR BOLTS (TYPICAL AT BEAMS)



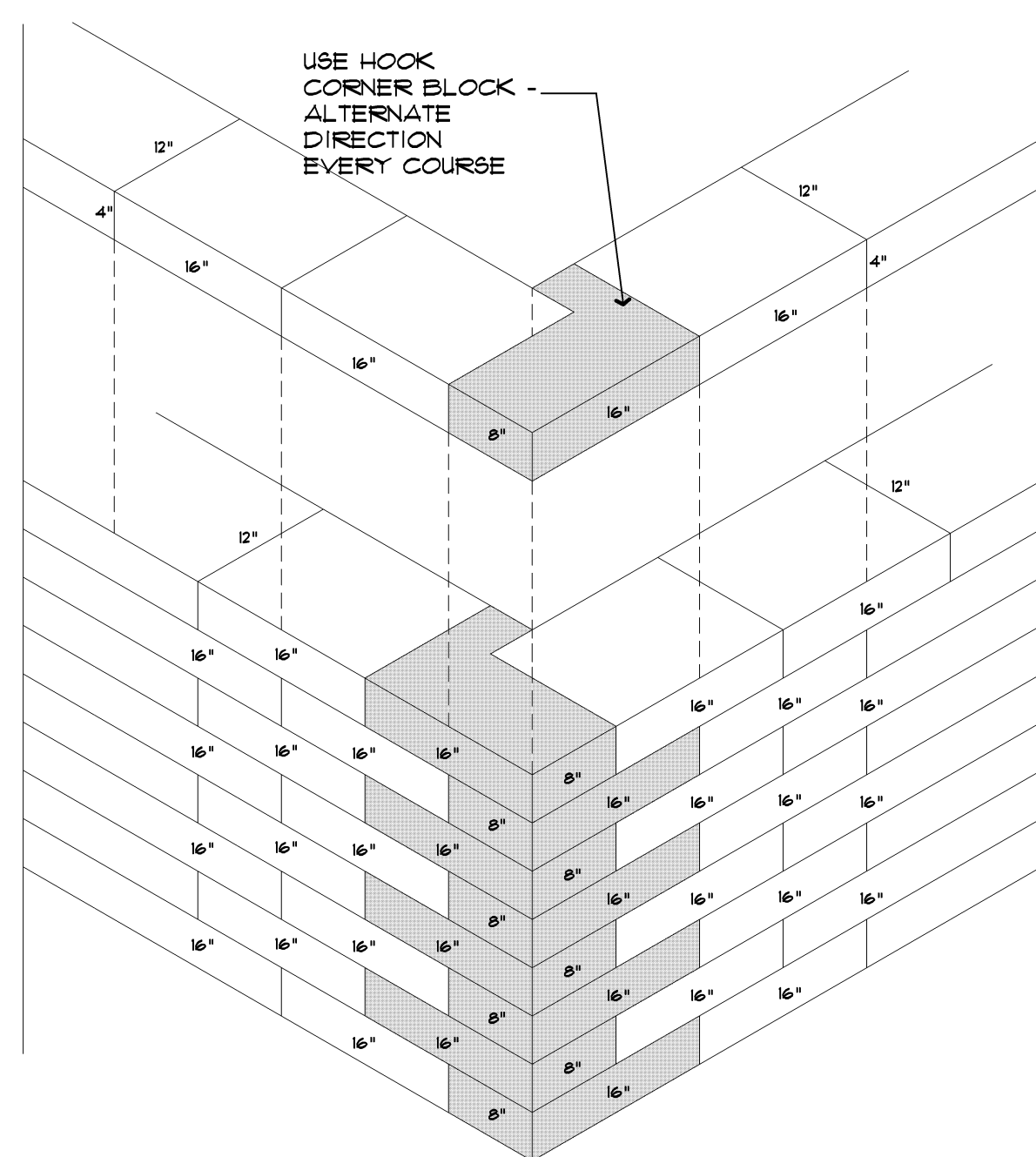
3.102  
 A31 Right Side Elevation  
 Scale: 3/16" = 1'-0"

EXTERIOR FINISH MATERIAL SCHEDULE	
(A)	4"x8"x16" CMU - CONSUMER'S CONCRETE "BELLA BRIK" CINCINNATI BLEND
(B)	SIMULATED STONE VENEER - "CULTURED STONE" COUNTRY LEDGESTONE - BUCKS COUNTY
(C)	FIBER CEMENT SIDING - WOODTONE "RUSTIC SERIES" WINCHESTER BROWN, 1" EXPOSURE
(D)	5/4x4 SMOOTH FACE FIBER CEMENT TRIM BOARD - PAINT
(E)	1" INSUL. GLAZING IN ANOD. ALUM. FRAME
(F)	4" PRECAST SILL
(G)	4" PRECAST SLOPED CAP
(H)	STEEL PIPE GUARD AND HAND RAIL - PAINT
(I)	HOLLOW METAL DOOR & FRAME - SEE DOOR SCHEDULE
(J)	STEEL STRUCTURE - PAINT
(K)	LINE OF FOUNDATION WALL BEYOND
(L)	12" WIDE x 1/4" THICK CHANNEL GLASS FRAME SYSTEM
(M)	PRE-FIN. METAL CAP / FLASHING
(N)	CONCRETE RAMP CONSTRUCTION
(O)	ALUM. SCUPPER AND DOWNSPOUT
(P)	CONCRETE STAGE
(Q)	PRE-FABRICATED EXTRUDED ALUMINUM CANOPY
(R)	DIAGONAL STEEL BRACE
(S)	BRONZE DEDICATION PLAQUE - PROVIDED BY CITY
(T)	OVERHEAD / COILING DOOR - SEE DOOR SCHEDULE
(U)	ALUM. GUTTER AND DOWNSPOUT
(V)	STANDING SEAM METAL ROOFING (COLONIAL RED)
(W)	ACOUSTIC CMU - SEE WALL TYPES

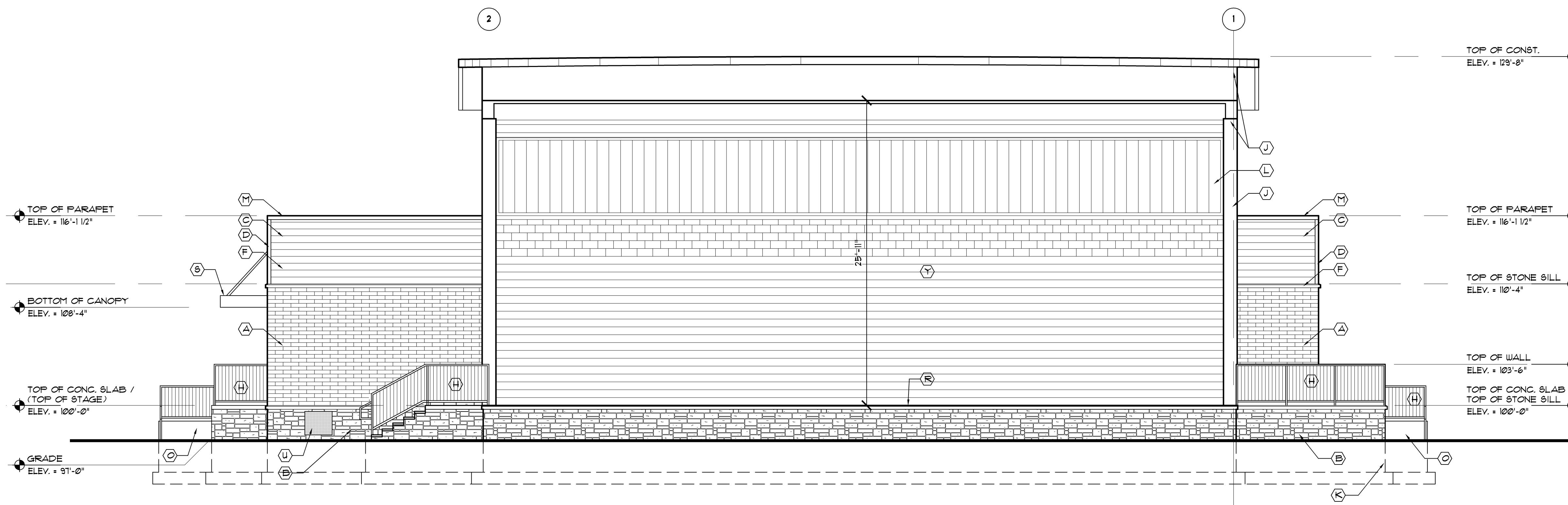
architect seal



Issue / revision date	
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids



3.103  
 A31 Corner Detail @ "Bella Brik"  
 No Scale



3.101  
 A31 Front Elevation  
 Scale: 3/16" = 1'-0"

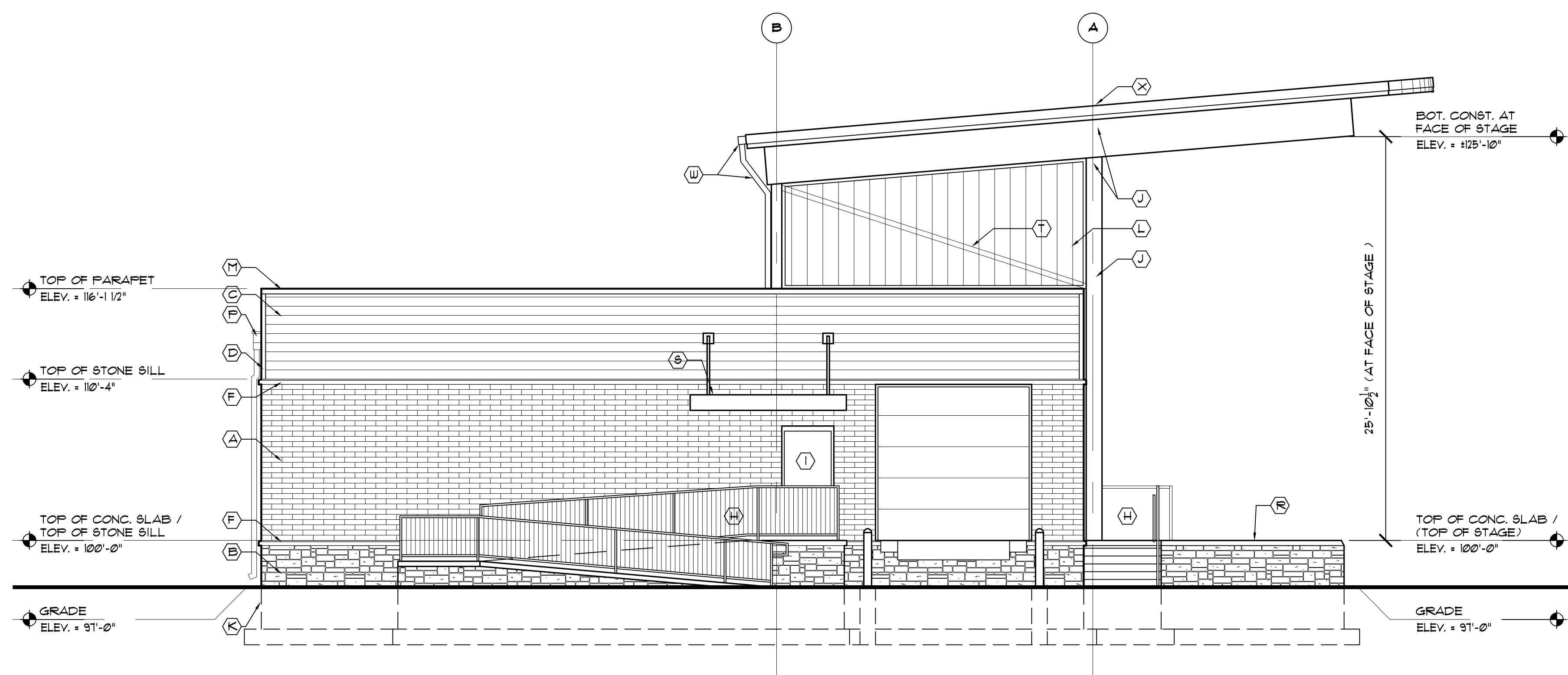
drawn by checked by

City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan  
 Amphitheater  
 Building Elevations  
 project sheet title

Dorchen/Martin Associates, Inc.  
 Architects/Planners  
 29895 Greenfield Rd., Suite 107  
 Southfield, Michigan 48076  
 (248) 557-1060  
 Fax: (248) 557-1231

job no. sheet no.  
 16078A AMP-A3.1





3202 Left Side Elevation  
A32 Scale: 3/16" = 1'-0"

EXTERIOR FINISH MATERIAL SCHEDULE	
(A)	4"x8"x16" CMU - CONSUMER'S CONCRETE "BELLA BRIK" CINCINNATI BLEND
(B)	SIMULATED STONE VENEER - "CULTURED STONE" COUNTRY LEDGESTONE - BUCKS COUNTY
(C)	FIBER CEMENT SIDING - WOODSTONE "RUSTIC SERIES" WINCHESTER BROWN, 1" EXPOSURE
(D)	5/4x4 SMOOTH FACE FIBER CEMENT TRIM BOARD - PAINT
(E)	1" INSUL. GLAZING IN ANOD. ALUM. FRAME
(F)	4" PRECAST SILL
(G)	4" PRECAST SLOPED CAP
(H)	STEEL PIPE GUARD AND HAND RAIL - PAINT
(I)	HOLLOW METAL DOOR & FRAME - SEE DOOR SCHEDULE
(J)	STEEL STRUCTURE - PAINT
(K)	LINE OF FOUNDATION WALL BEYOND
(L)	12" WIDE x 1/4" THICK CHANNEL GLASS FRAME SYSTEM
(M)	PRE-FIN. METAL CAP / FLASHING
(N)	CONCRETE RAMP CONSTRUCTION
(P)	ALUM. SCUPPER AND DOWNSPOUT
(R)	CONCRETE STAGE
(S)	PRE-FABRICATED EXTRUDED ALUMINUM CANOPY
(T)	DIAGONAL STEEL BRACE
(U)	BRONZE DEDICATION PLAQUE - PROVIDED BY CITY
(V)	OVERHEAD / COILING DOOR - SEE DOOR SCHEDULE
(W)	ALUM. GUTTER AND DOWNSPOUT
(X)	STANDING SEAM METAL ROOFING (COLONIAL RED)
(Y)	ACOUSTIC CMU - SEE WALL TYPES

architect seal



Issue / revision date	
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids



3201 Rear Elevation  
A32 Scale: 3/16" = 1'-0"

drawn by

checked by

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project

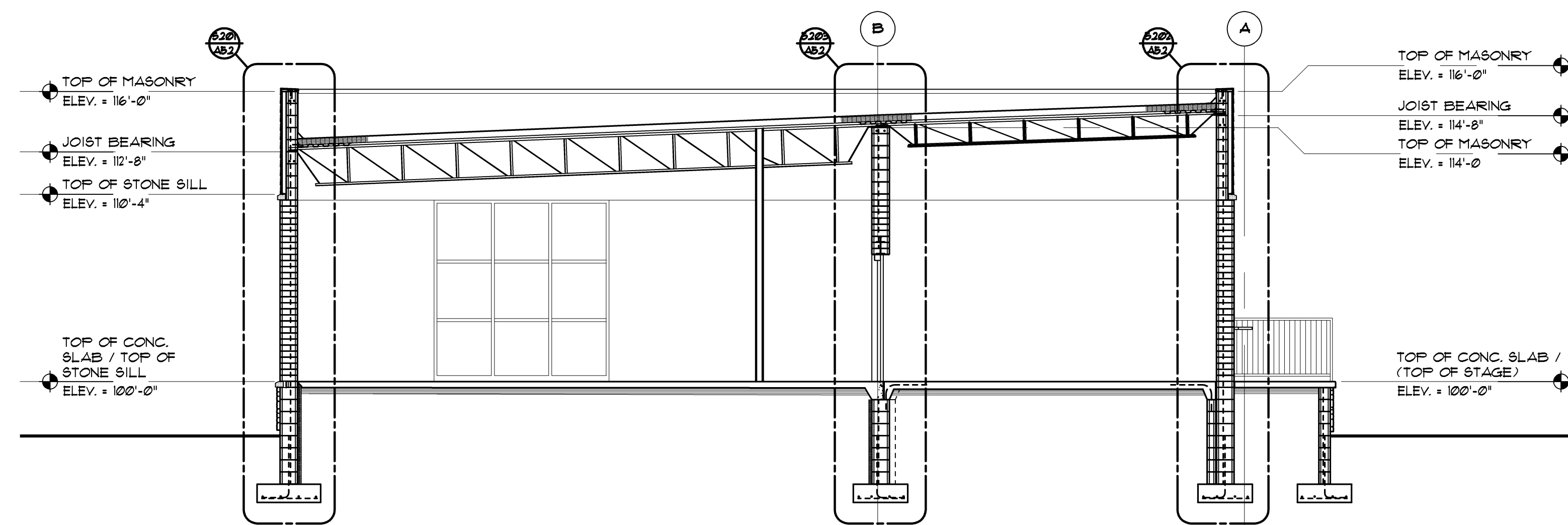
Amphitheater  
Building Elevations  
sheet title

**DM**  
Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

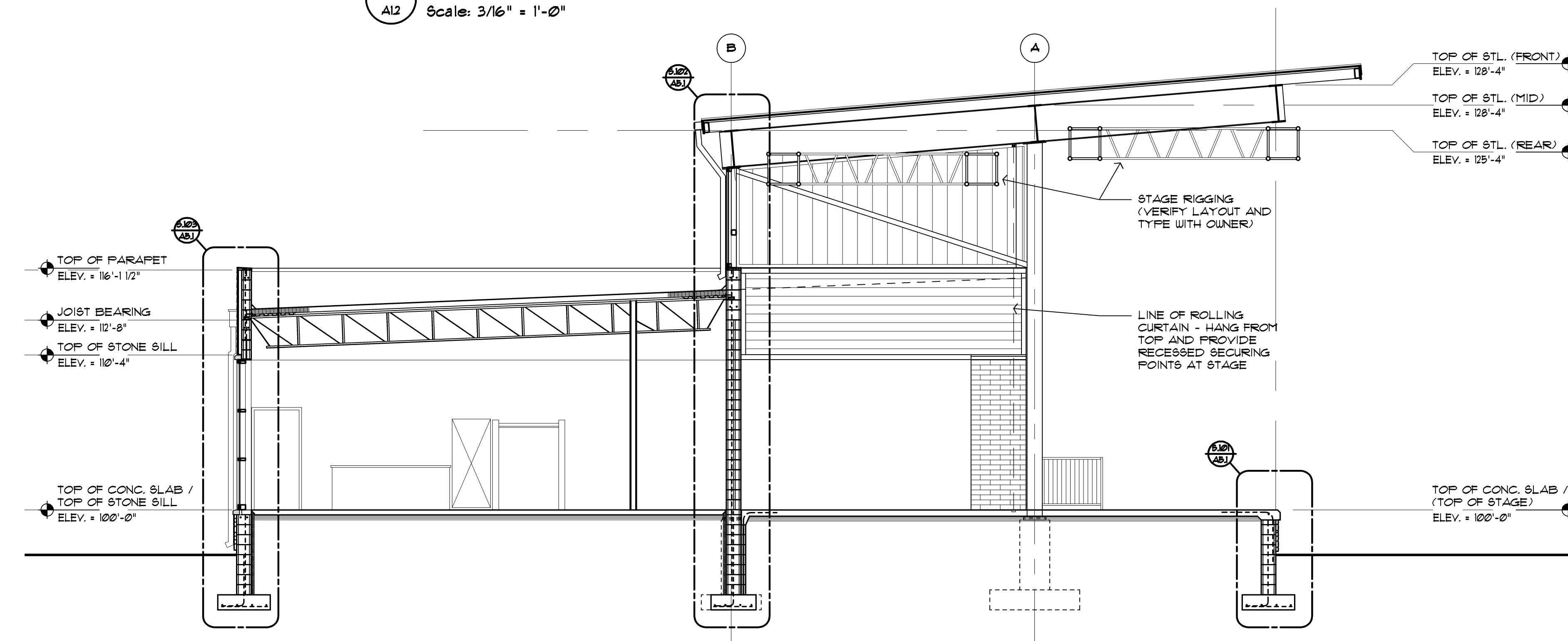
job no.

sheet no.

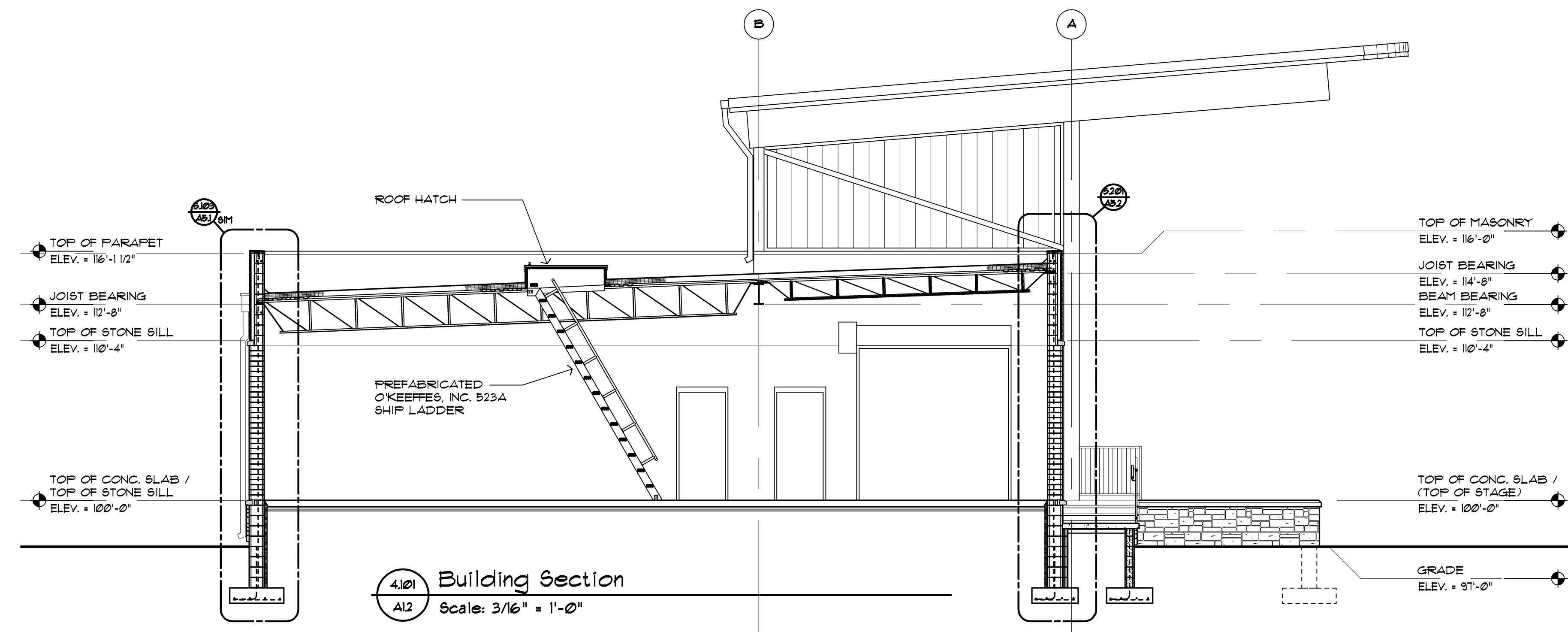
16078A AMP-A3.2



4.103 Building Section  
 A12 Scale: 3/16" = 1'-0"



4.102 Building Section  
 A12 Scale: 3/16" = 1'-0"



4.101 Building Section  
 A12 Scale: 3/16" = 1'-0"

architect seal



Issue / revision date	Review
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

drawn by checked by

City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan  
 Amphitheater  
 Building Sections  
 project sheet title

**Dorchen/Martin Associates, Inc.**  
 Architects/Planners  
 29895 Greenfield Rd., Suite 107  
 Southfield, Michigan 48076  
 (248) 557-1062  
 Fax: (248) 557-1231

job no. sheet no.  
 16078A AMP-A4.1

architect seal



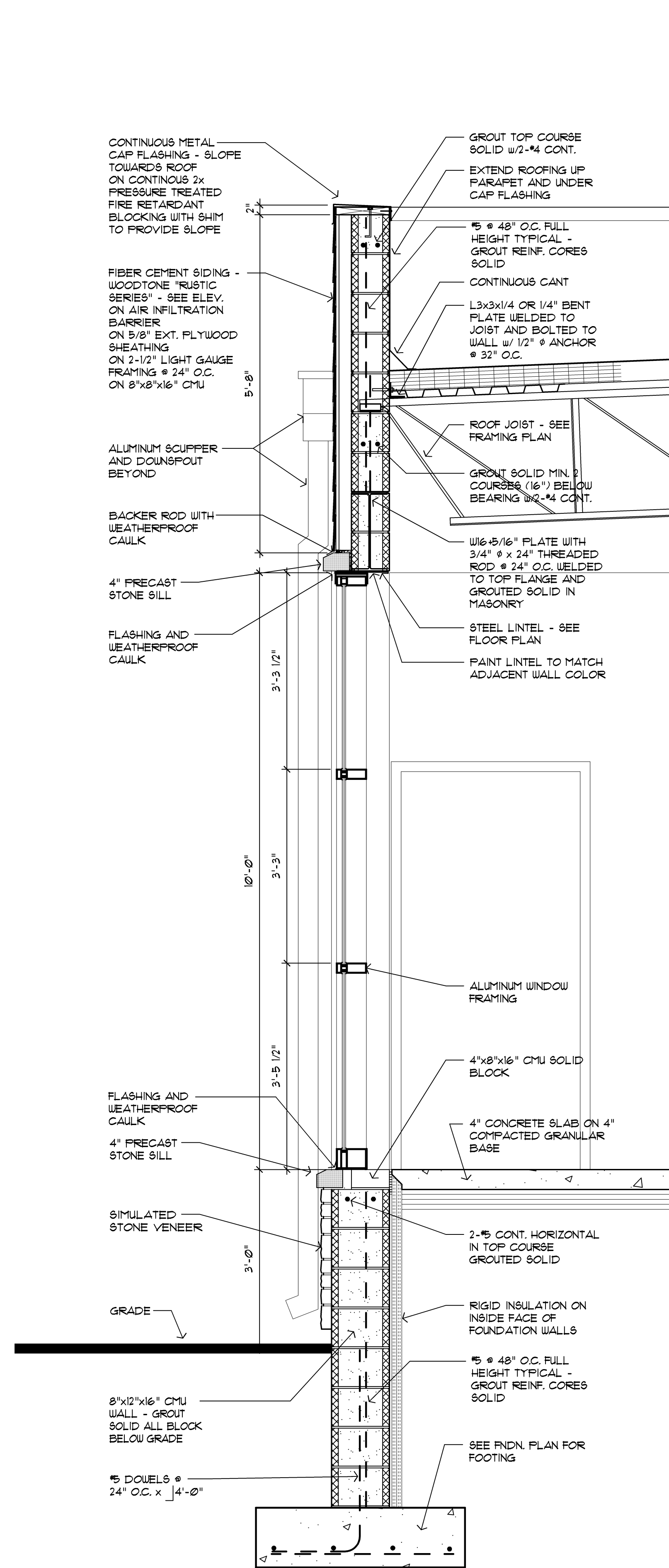
Issue / revision date	Review
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

drawn by checked by

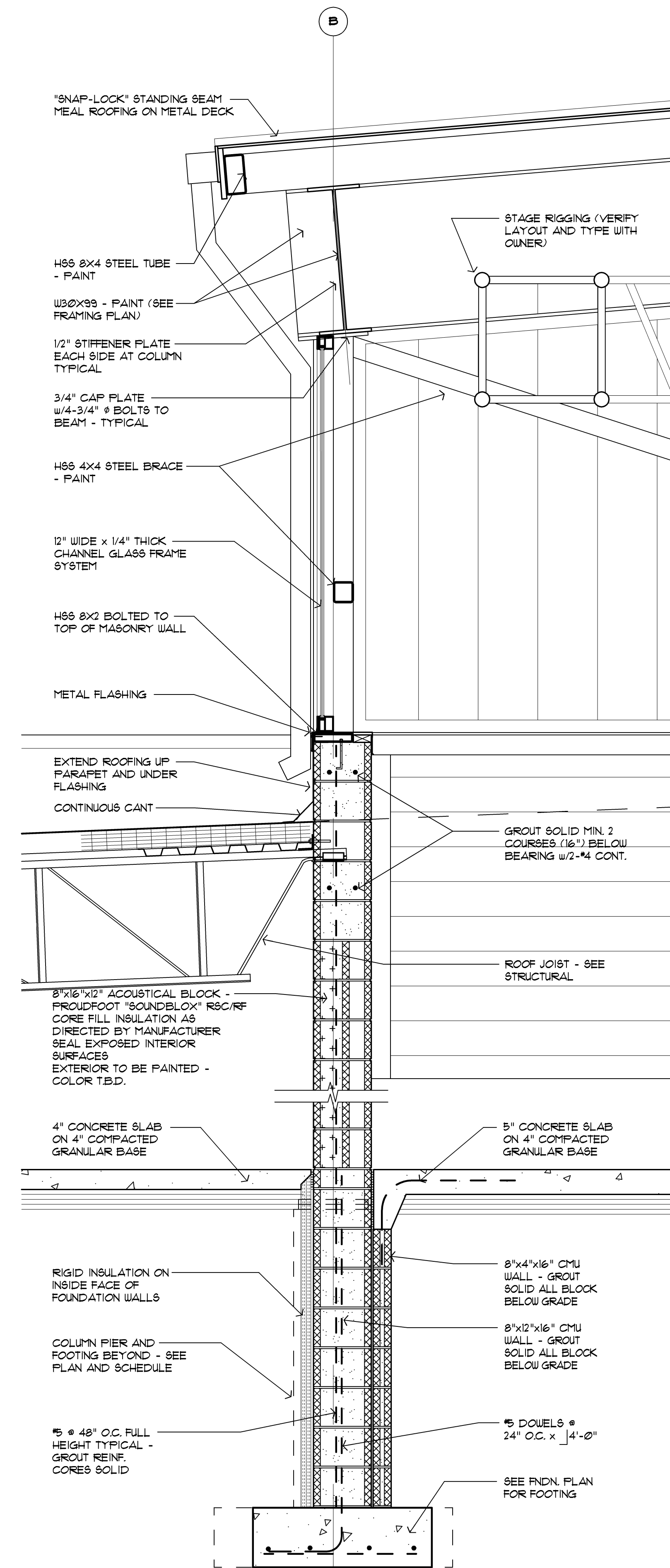
City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan  
 Amphitheater  
 Wall Sections  
 project sheet title

Dorchen/Martin Associates, Inc.  
 Architects/Planners  
 29895 Greenfield Rd., Suite 107  
 Southfield, Michigan 48076  
 (248) 557-1062  
 Fax: (248) 557-1231

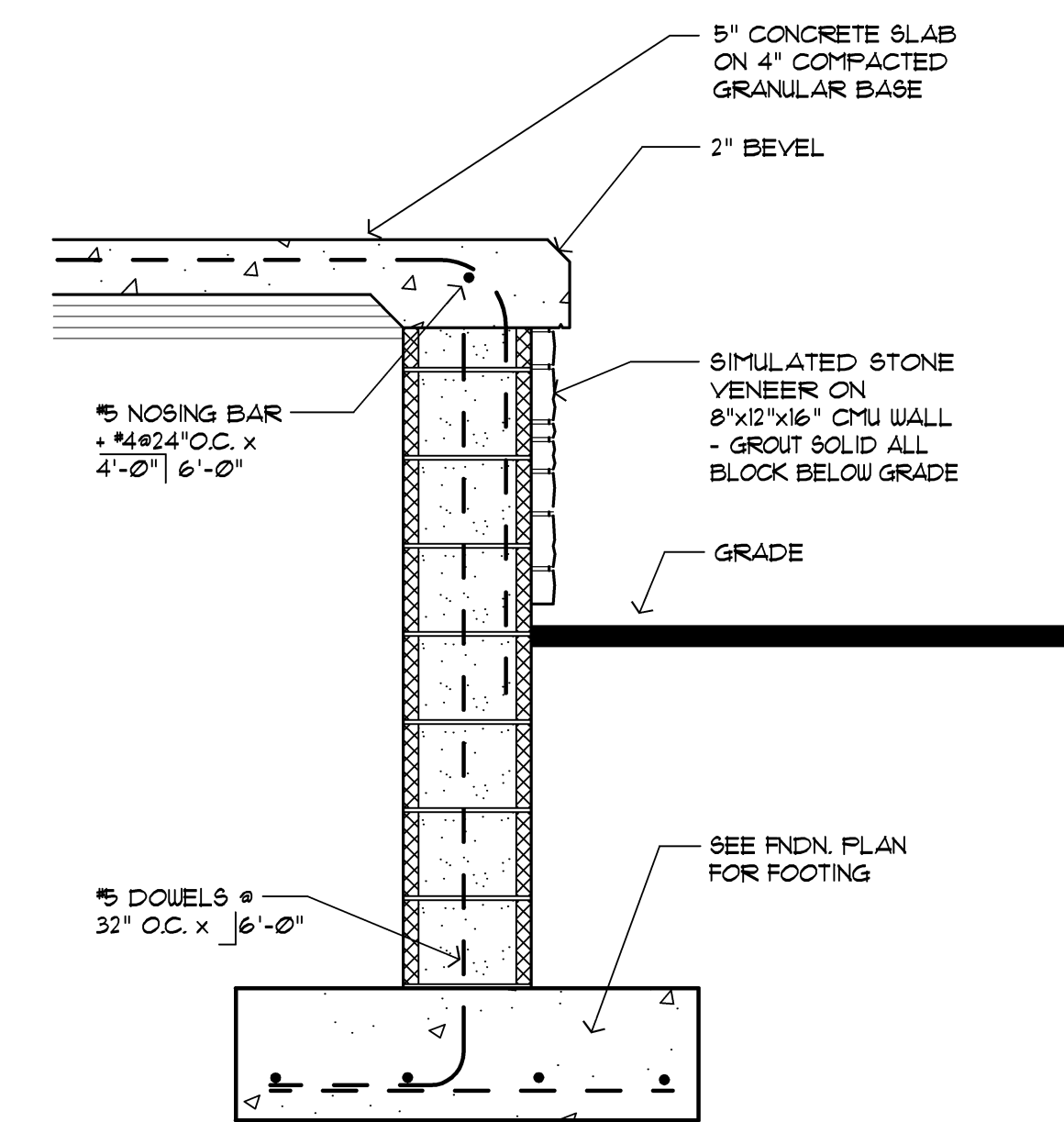
job no. sheet no.  
 16078A AMP-A5.1



5.103 Wall Section at Rear  
 A4J Scale: 3/4" = 1'-0"

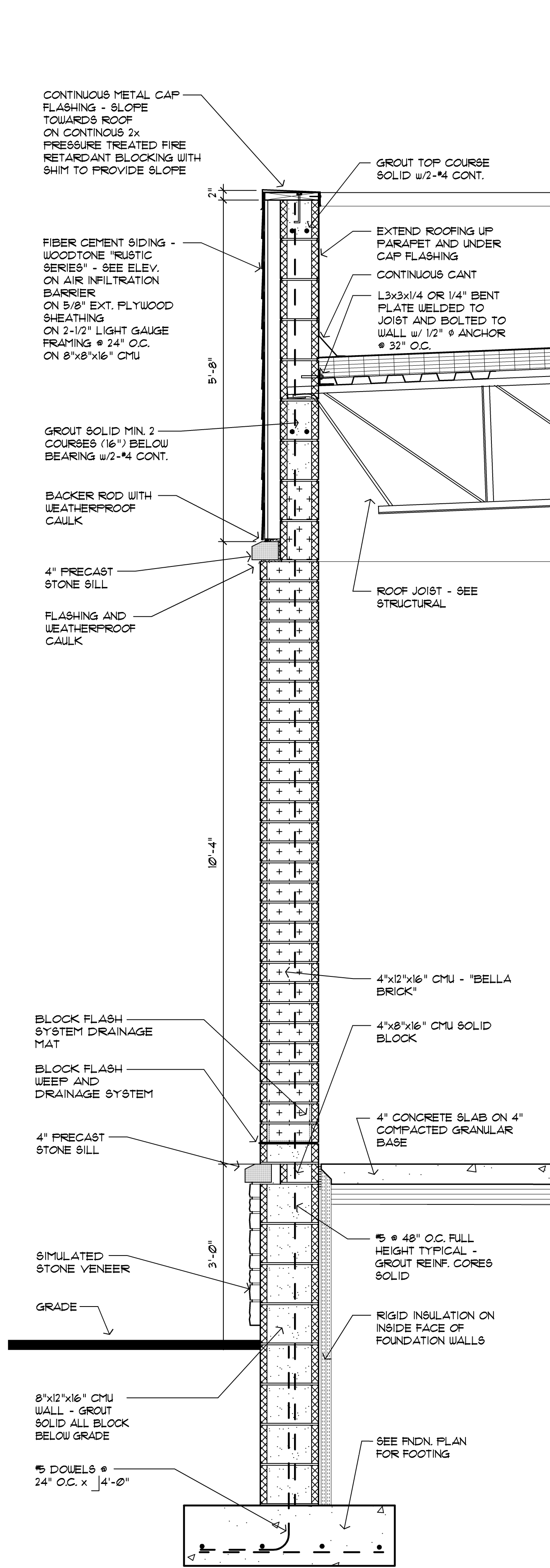


5.102 Wall Section  
 A4J Scale: 3/4" = 1'-0"

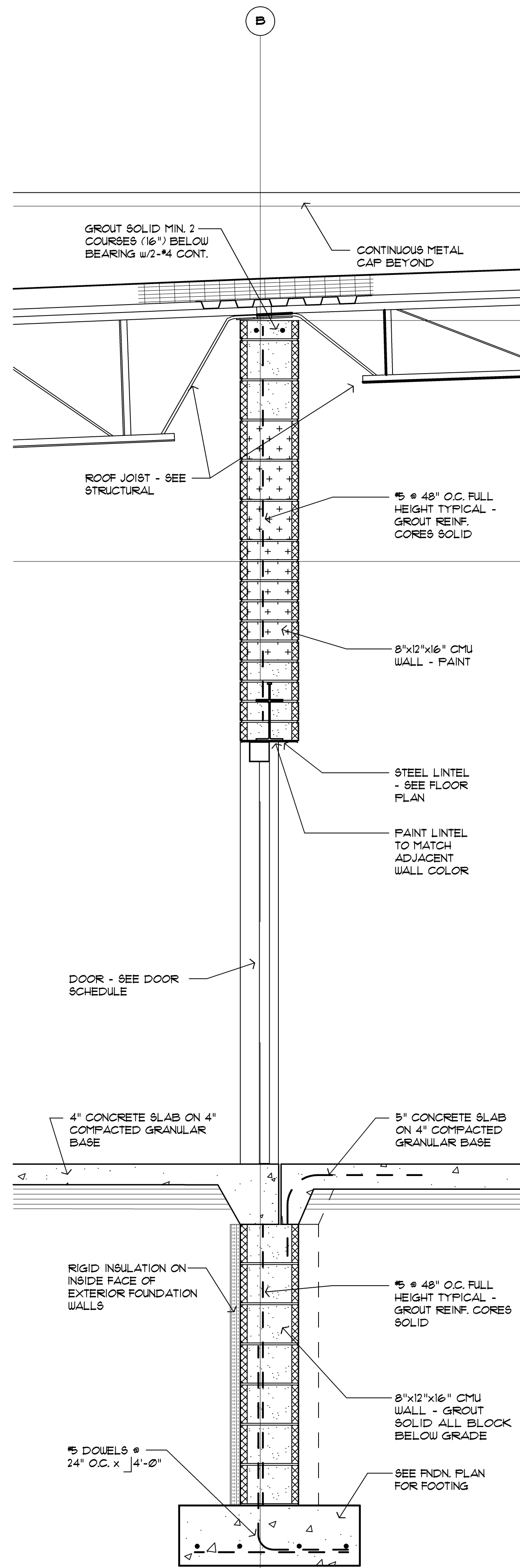


5.101 Wall Section at Stage / Stair  
 A4J Scale: 3/4" = 1'-0"

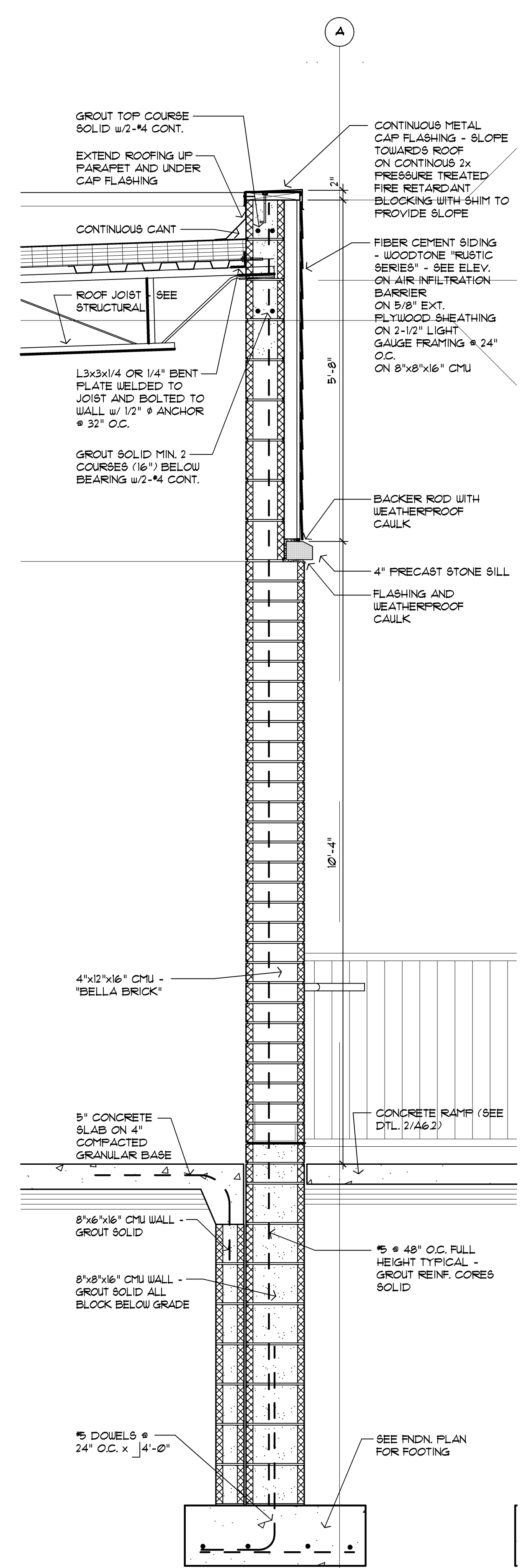




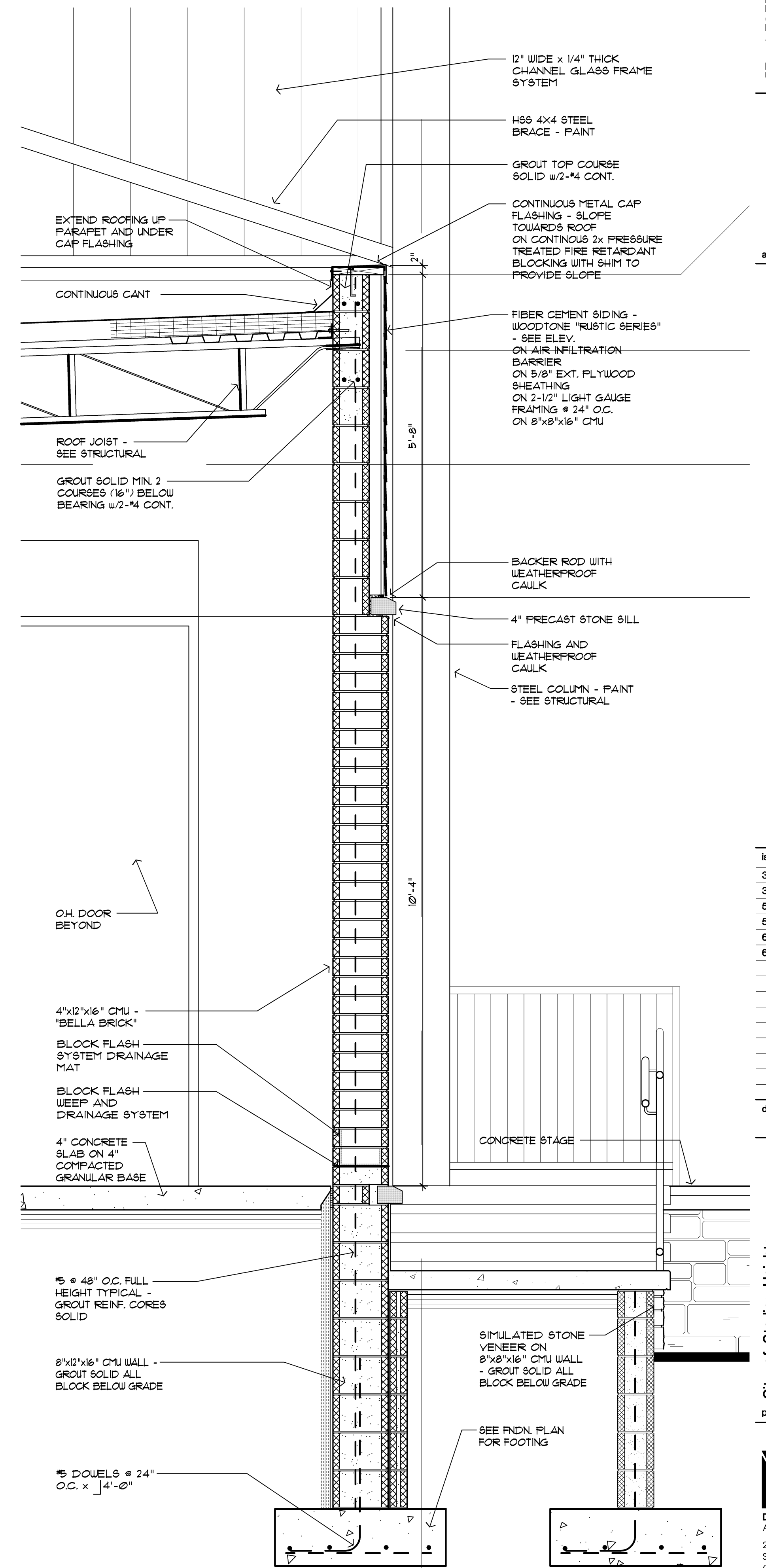
5.204 Wall Section at Rear  
A4.1 Scale: 3/4 = 1'-0"



5.203 Wall Section  
A4.1 Scale: 3/4 = 1'-0"



5.202 Wall Section at Front  
A4.1 Scale: 3/4 = 1'-0"



5.201 Wall Section at Front  
A4.1 Scale: 3/4 = 1'-0"

architect seal



issue / revision date

3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

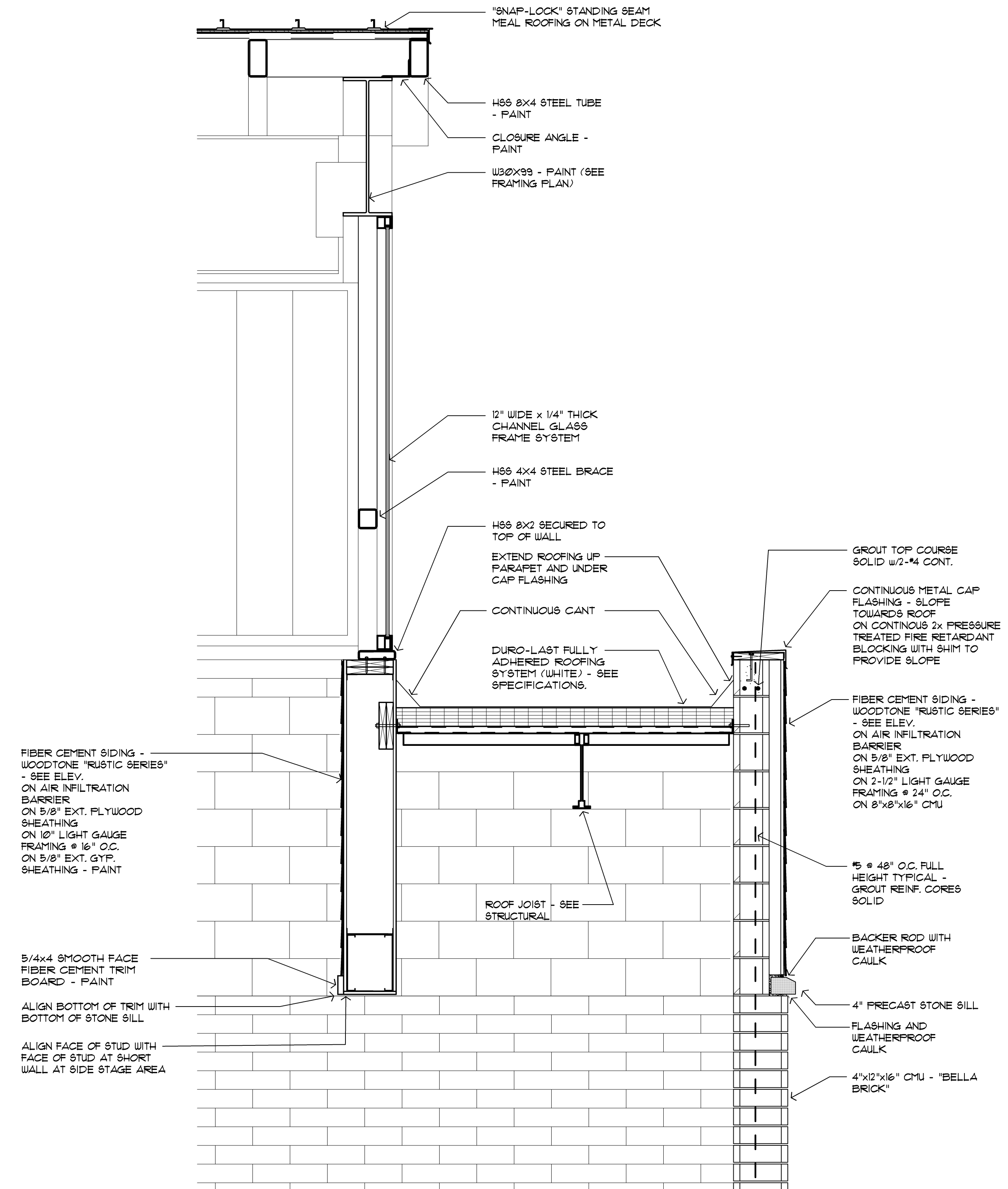
drawn by checked by

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project  
sheet title  
Amphitheater  
Wall Sections

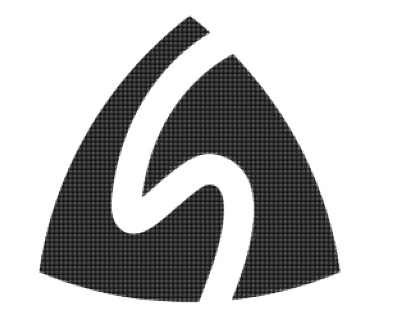
Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1002  
Fax: (248) 557-1231

job no. sheet no.

16078A AMP-A5.2



5.301 Wall Section Low Roof Abutment  
A4.1 Scale: 3/4 = 1'-0"



issue / revision date	
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

drawn by \_\_\_\_\_ checked by \_\_\_\_\_

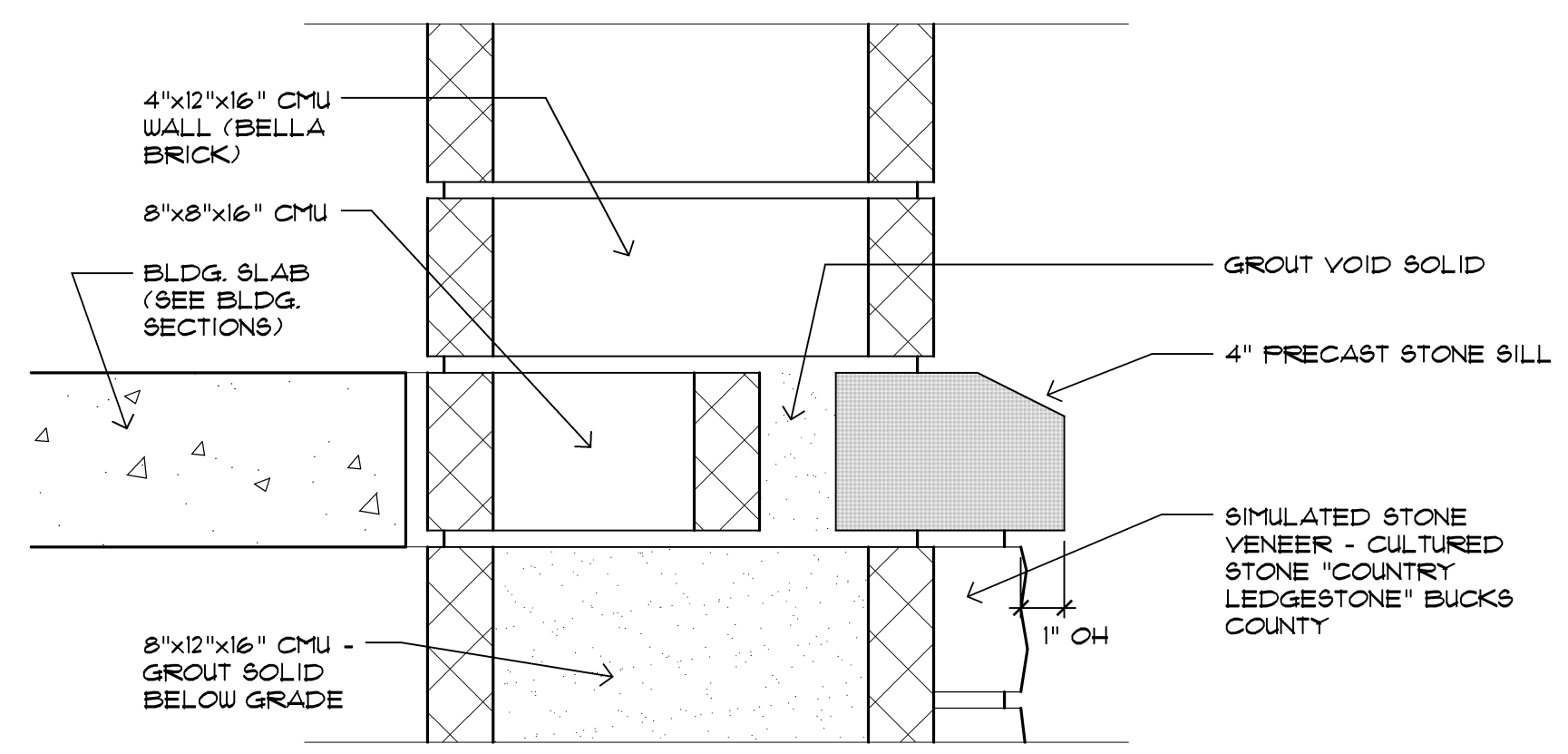
City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
Project

Amphitheater  
Wall Sections  
sheet title

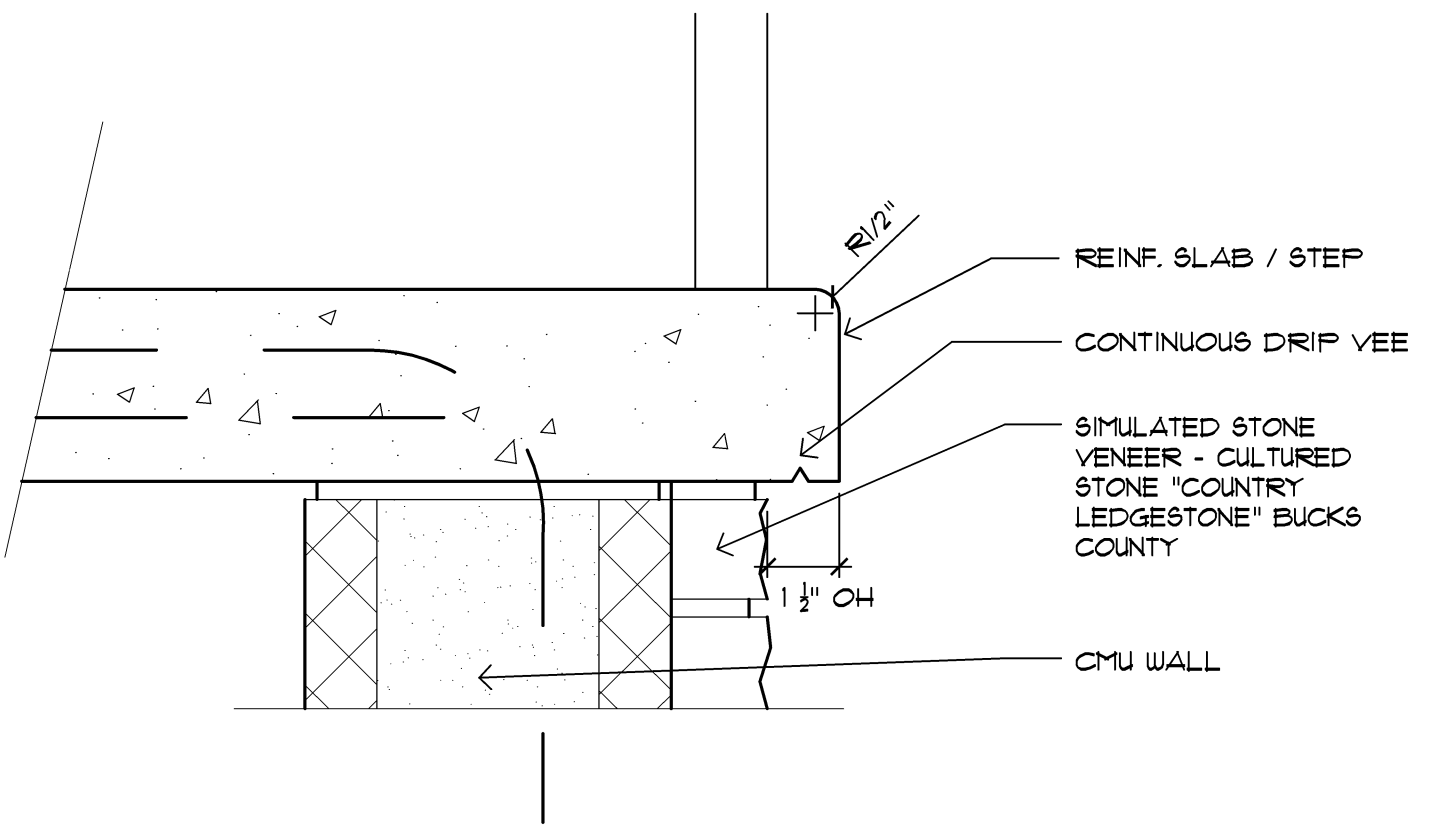
**Dorchen/Martin Associates, Inc.**  
Architects/Planners  
29995 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1052  
Fax: (248) 557-1231

job no. 16078A  
sheet no. AMP-A5.3

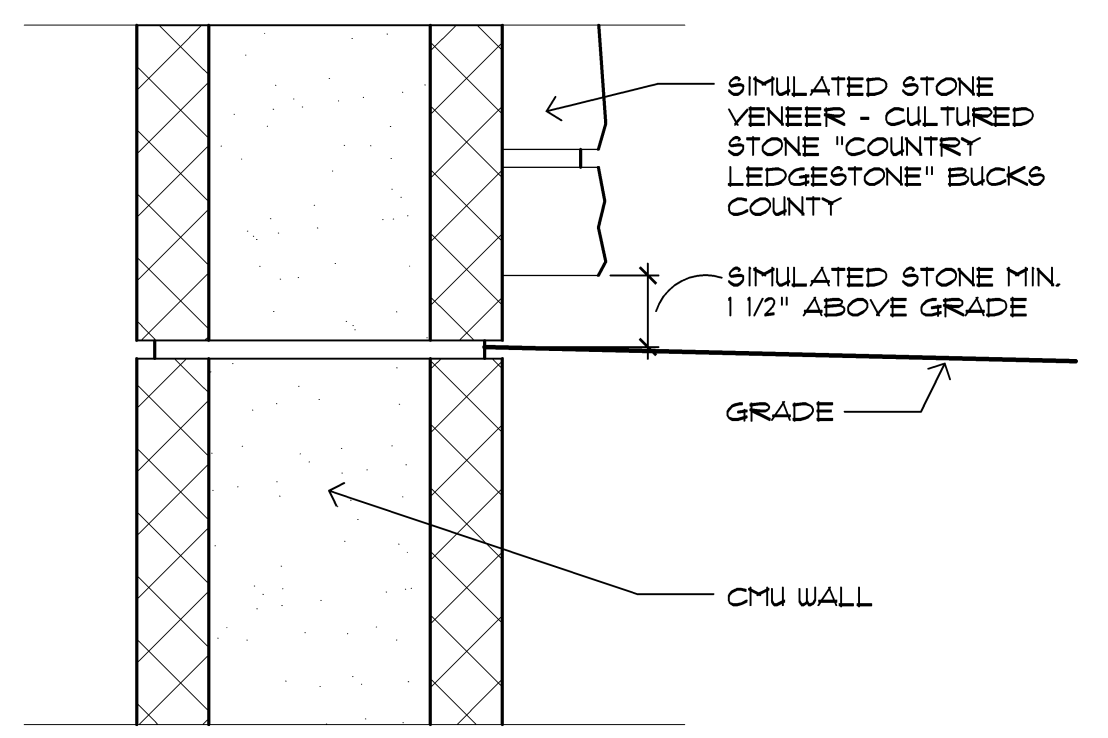




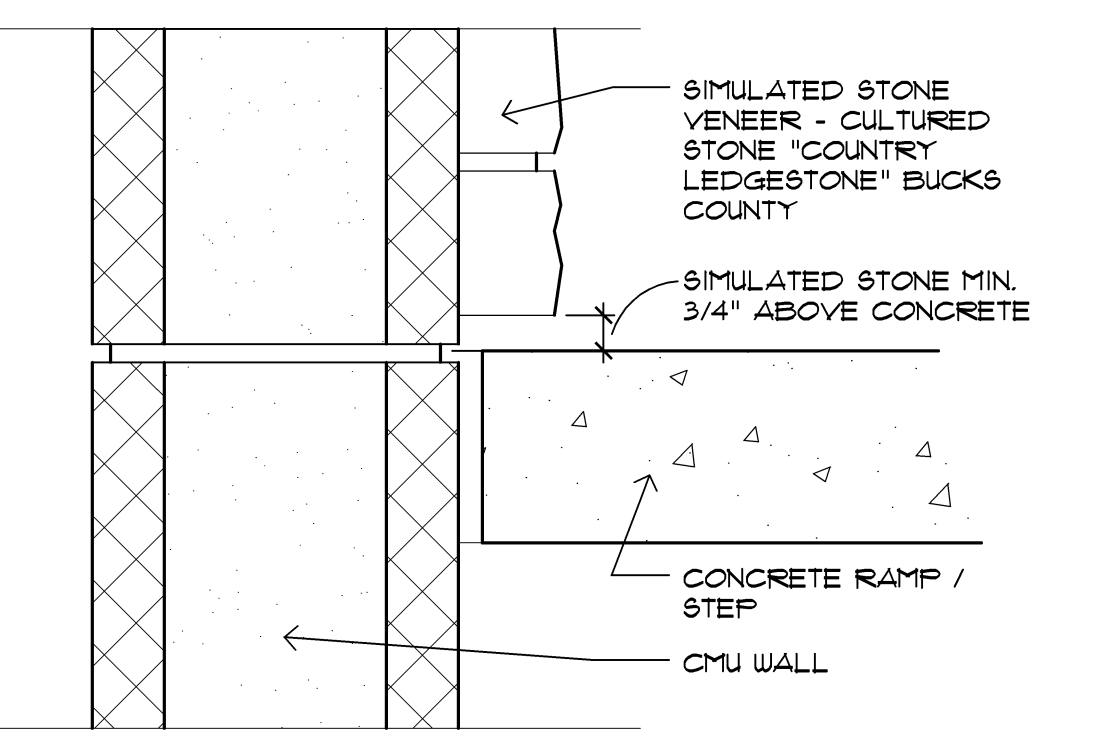
6.107 Stone Sill at Simulated Stone Veneer  
 A6.1 Scale: 3" = 1'-0"



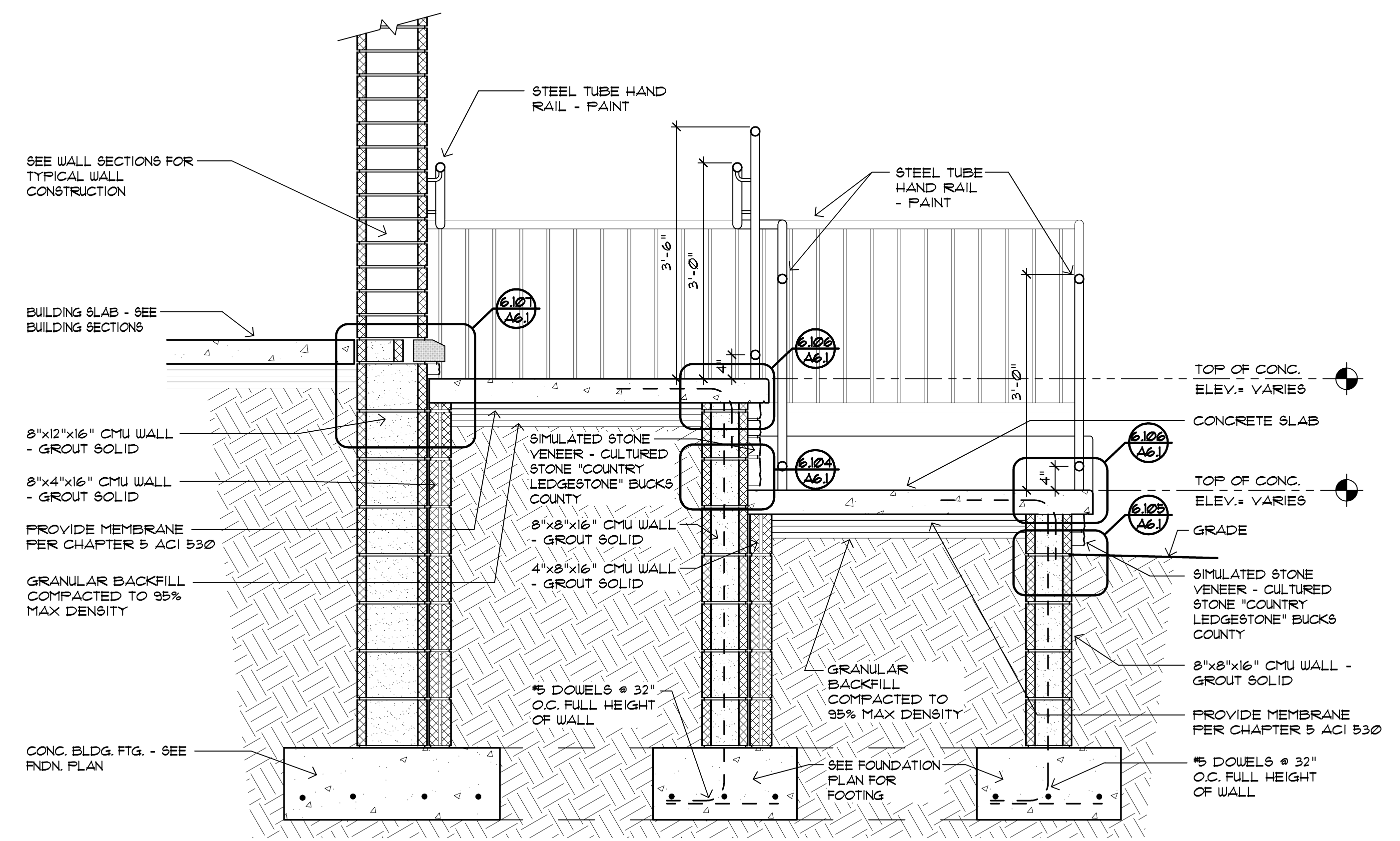
6.106 Slab Edge at Stone Veneer  
 A6.1 Scale: 3" = 1'-0"



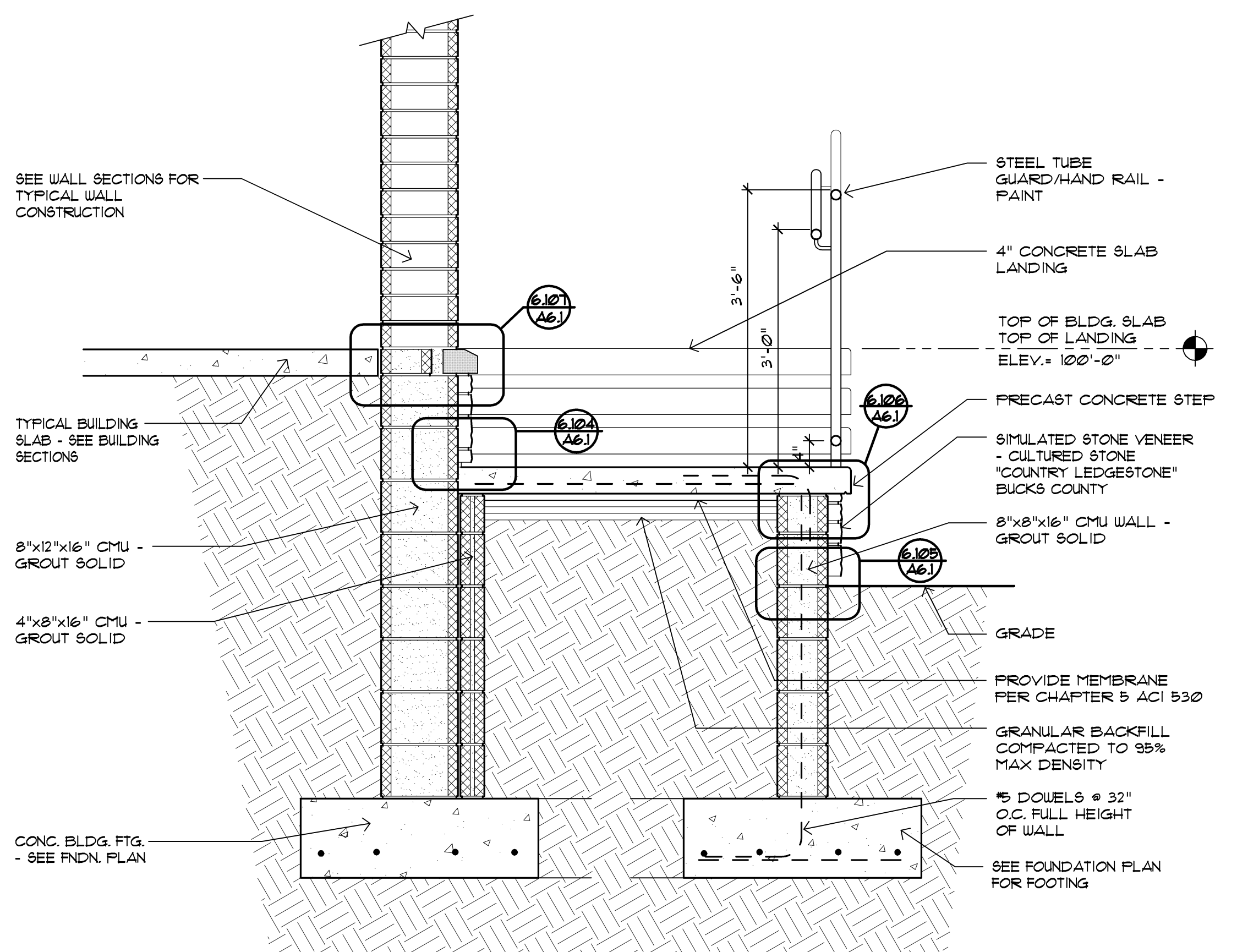
6.102 Slab Edge at Stone Veneer  
 A6.1 Scale: 3" = 1'-0"



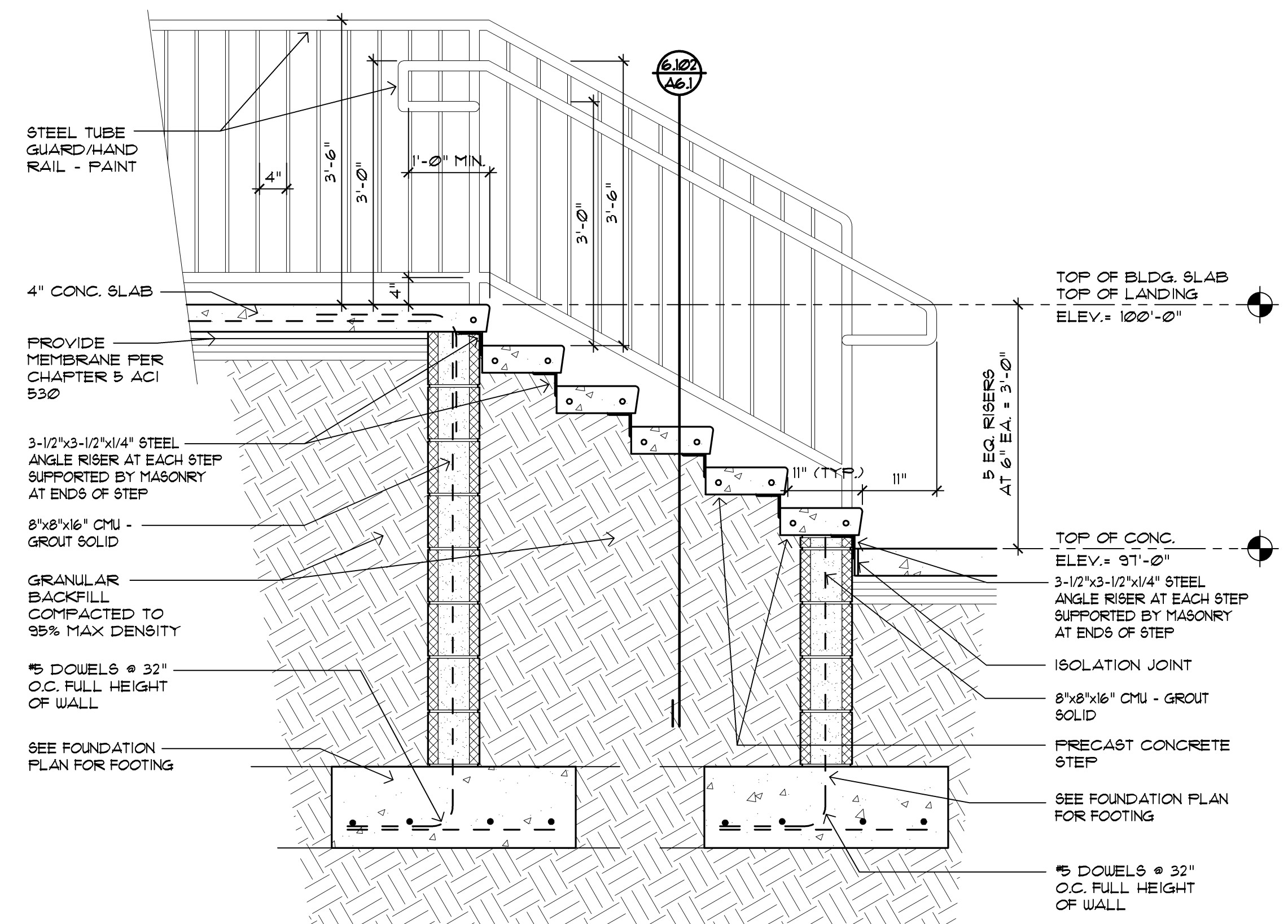
6.104 Slab Edge at Stone Veneer  
 A6.1 Scale: 3" = 1'-0"



6.103 Ramp Section  
 A6.1 Scale: 3/4" = 1'-0"

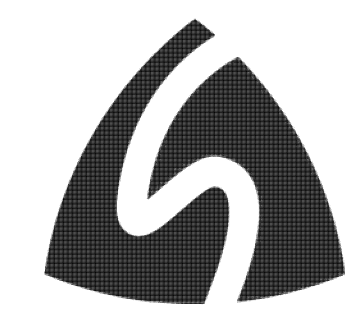


6.101 Loading/Staging Stair Section  
 A6.1 Scale: 3/4" = 1'-0"



6.102 Loading/Staging Stair Section  
 A6.1 Scale: 3/4" = 1'-0"

architect seal

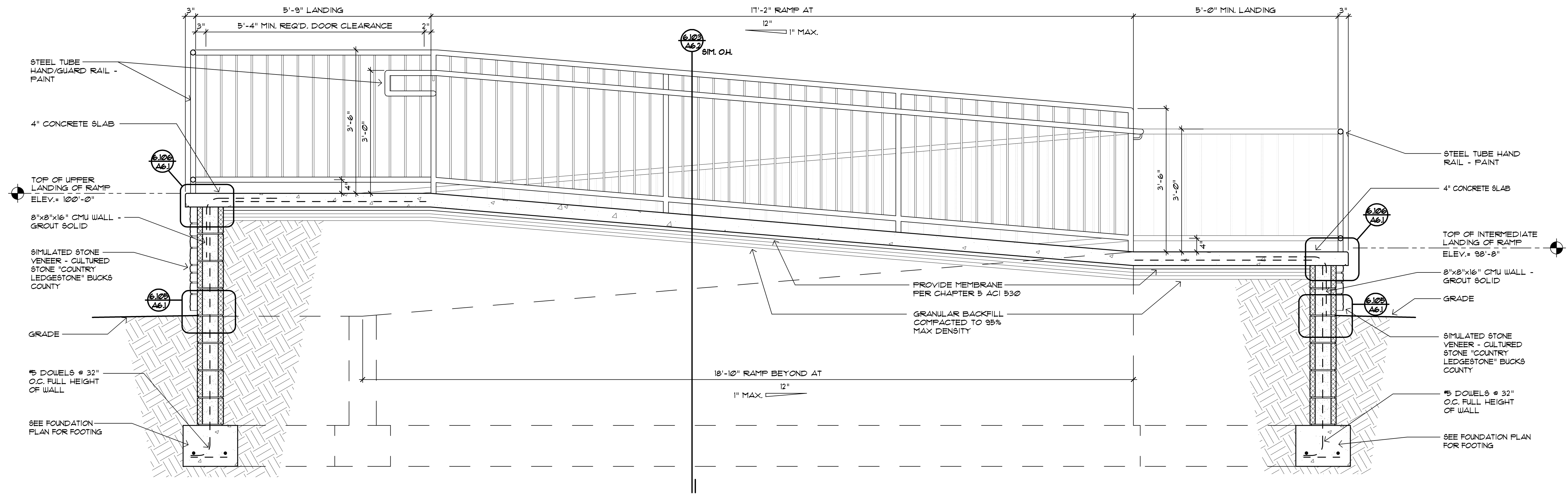


Issue / revision date	
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

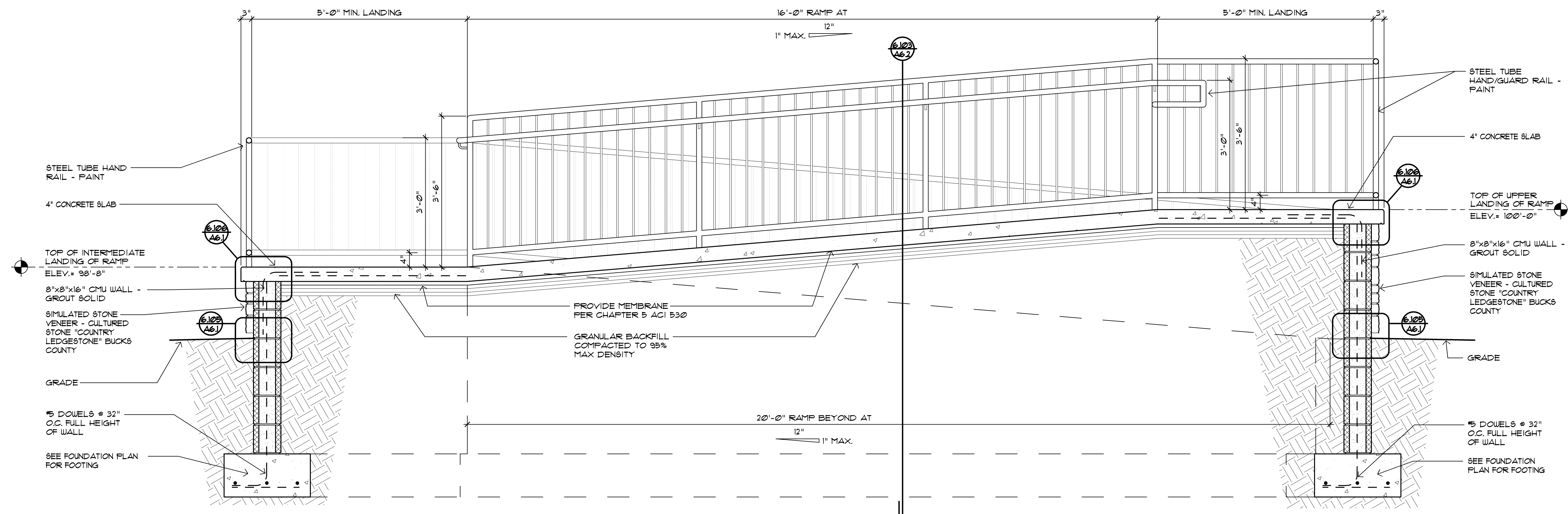
drawn by	checked by

City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan  
 Amphitheater  
 Stair and Ramp Details  
 project sheet title

Dorchen/Martin Associates, Inc.  
 Architects/Planners  
 29895 Greenfield Rd., Suite 107  
 Southfield, Michigan 48076  
 (248) 557-1062  
 Fax: (248) 557-1231



6102 Ramp at Loading/Staging Section  
A12 Scale: 3/4" = 1'-0"



6201 Ramp at Stage Section  
A12 Scale: 3/4" = 1'-0"

architect seal



Issue / revision date

3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

drawn by checked by

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project sheet title

Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. sheet no.

16078A AMP-A6.2

ROOM FINISH SCHEDULE											
ROOM NO.	ROOM NAME	FLOOR	BASE	CEILING			WALLS				REMARKS
				MTL.	HGT.	FINISH	N	E	S	W	
100	STAGE	CONC.	-	E.C.	VARIABLES	PT. - 6	MAS./PT. - 9	MAS./PT. - 9	MAS./PT. - 9	MAS./PT. - 9	
101	LOADING / STAGING	CONC.	-	E.C.	VARIABLES	PT. - 6	MAS.	MAS.	MAS.	MAS.	
102	STORAGE	CONC.	-	E.C.	VARIABLES	PT. - 6	MAS.	MAS.	MAS.	MAS.	
103	UNISEX TOILET ROOM	C.T. - 1	C.T. - 2	GYP. BD.	8'-0"	PT. - 4	GYP./PT. - 2 C.T. - 2 4 3	GYP./PT. - 2 C.T. - 2 4 3	GYP./PT. - 2 C.T. - 2 4 3	GYP./PT. - 2 C.T. - 2 4 3	
104	STAFF BREAK ROOM	CPT. - 1 C.T. - 1	C.T. - 1 RB. - 1	E.C. / ACC GYP. BD.	VARIABLES 8'-0"	PT. - 4 PT. - 4	GYP./PT. - 1 MAS.	GYP./PT. - 1 MAS.	GYP./PT. - 1 MAS.	GYP./PT. - 1 MAS.	SEE PLAN FOR FLOORING TRANSITIONS
105	UTILITY	CONC.	RB. - 2	GYP. BD.	8'-0"	PT. - 4	GYP./PT. - 1	GYP./PT. - 1	GYP./PT. - 1	GYP./PT. - 1	
106	GREEN ROOM #1	CPT. - 1 C.T. - 1	C.T. - 1 RB. - 1	E.C. / ACC GYP. BD.	VARIABLES 8'-0"	PT. - 6 PT. - 4	GYP./PT. - 1 MAS.	GYP./PT. - 1 MAS.	GYP./PT. - 1 MAS.	GYP./PT. - 1 MAS.	SEE PLAN FOR FLOORING TRANSITIONS
107	TOILET ROOM #1	C.T. - 1	C.T. - 2	GYP. BD.	8'-0"	PT. - 4	GYP./PT. - 2 C.T. - 2 4 3	GYP./PT. - 2 C.T. - 2 4 3	GYP./PT. - 2 C.T. - 2 4 3	GYP./PT. - 2 C.T. - 2 4 3	
108	OFFICE	CPT. - 1	RB. - 2	GYP. BD.	8'-0"	PT. - 4	GYP./PT. - 1	GYP./PT. - 1	GYP./PT. - 1	GYP./PT. - 1	
109	TOILET ROOM #2	C.T. - 1	C.T. - 2	GYP. BD.	8'-0"	PT. - 4	GYP./PT. - 2 C.T. - 2 4 3	GYP./PT. - 2 C.T. - 2 4 3	GYP./PT. - 2 C.T. - 2 4 3	GYP./PT. - 2 C.T. - 2 4 3	
110	GREEN ROOM #2	CPT. - 1 C.T. - 1	C.T. - 1 RB. - 1	E.C. / ACC GYP. BD.	VARIABLES 8'-0"	PT. - 6 PT. - 4	GYP./PT. - 1 MAS.	GYP./PT. - 1 MAS.	GYP./PT. - 1 MAS.	GYP./PT. - 1 MAS.	SEE PLAN FOR FLOORING TRANSITIONS
111	CORRIDOR	CPT. - 2	RB. - 2	E.C.	VARIABLES	PT. - 6	MAS.	MAS.	MAS.	GYP./PT. - 1 WP. - 1	

DOOR SCHEDULE													
DOOR NO.	DOOR SIZE	DOOR			HDWR SET	FRAME			DETAILS			LABEL	CODED REMARKS
		TYPE	MAT'L.	FINISH		TYPE	MAT'L.	FINISH	SILL	JAMB	HEAD		
101	10'-0" x 10'-0" O.H.	-	STL.	PRE-FIN	-	-	-	PAINT	-	1.102	-	-	14
102	3'-0" x 7'-0" x 1-3/4"	A	H.M.	PAINT	03	FI	H.M.	PAINT	1.104	1.101	-	-	1, 5, 9, 10, 14
103	3'-0" x 7'-0" x 1-3/4"	A	H.M.	PAINT	04	FI	H.M.	PAINT	1.104	1.101	-	-	1, 5, 9, 10, 14
104	3'-0" x 7'-0" x 1-3/4"	A	H.M.	PAINT	04	FI	H.M.	PAINT	-	1.101	-	-	1, 9
105	3'-0" x 7'-0" x 1-3/4"	A	H.M.	PAINT	05	FI	FFKD	PRE-FIN	-	1.103	-	-	1, 8, 10, 13, 16
106	3'-0" x 7'-0" x 1-3/4"	A	H.M.	PAINT	06	FI	FFKD	PRE-FIN	-	1.103	-	-	1, 8, 10, 13
106.1	3'-0" x 7'-0" x 1-3/4"	A	H.M.	PAINT	07	FI	H.M.	PAINT	-	1.103	-	-	1, 13
106.2	3'-0" x 7'-0" x 1-3/4"	A	H.M.	PAINT	07	FI	H.M.	PAINT	-	1.103	-	-	1, 13
107	3'-0" x 7'-0" x 1-3/4"	B	H.M.	PAINT	07	FI	FFKD	PRE-FIN	-	1.103	-	-	1, 8, 10, 13
108	3'-0" x 7'-0" x 1-3/4"	A	H.M.	PAINT	08	FI	FFKD	PRE-FIN	-	1.103	-	-	1, 8, 10, 13
109	3'-0" x 7'-0" x 1-3/4"	A	H.M.	PAINT	08	FI	FFKD	PRE-FIN	-	1.103	-	-	1, 3, 8, 10, 13
110	3'-0" x 7'-0" x 1-3/4"	A	H.M.	PAINT	08	FI	FFKD	PRE-FIN	-	1.103	-	-	1, 8, 10, 13
111	3'-0" x 7'-0" x 1-3/4"	A	H.M.	PAINT	04	FI	H.M.	PAINT	1.104	1.101	-	-	1, 5, 9, 10, 14
112	3'-0" x 7'-0" x 1-3/4"	A	H.M.	PAINT	09	FI	FFKD	PRE-FIN	-	1.103	-	-	13, 16
113	3'-0" x 7'-0" x 1-3/4"	A	H.M.	PAINT	09	FI	FFKD	PRE-FIN	-	1.103	-	-	13, 16
114	3'-0" x 7'-0" x 1-3/4"	A	H.M.	PAINT	11	FI	FFKD	PRE-FIN	-	1.103 SIM	-	-	13, 17
115	10'-0" x 10'-0" O.H.	-	STL.	PRE-FIN	-	-	-	PAINT	-	1.102	-	-	14

**MATERIAL KEY**

- ACT = ACOUSTIC CEILING TILE
- ACC = ACOUSTIC CEILING CANOPY
- AL/GL. = ALUMINUM & GLASS
- CAB. = CABINETS
- CONC. = CONCRETE
- CPT. = CARPET
- CT. = CERAMIC TILE
- CT.B. = CERAMIC TILE BASE
- E.C. = EXPOSED CONSTRUCTION
- EPNT. = EPOXY PAINT
- FUC. = FABRIC WALL COVERING
- GB. = GYPSUM BOARD
- MAS. = MASONRY
- FFKD = PRE-FIN. METAL KNOCK DOWN FRAME
- F. LAM. = FLASTIC LAMINATE
- FT. = PAINT
- PRE-FIN. = PRE-FINISHED
- RB. = RUBBER BASE
- WD. = STAINED WOOD
- V.B. = VINYL BASE
- VCT. = VINYL COMPOSITION TILE
- VSF. = VINYL SHEET FLOORING
- VUC. = VINYL WALL COVERING
- WP. = WALL PROTECTION

**GENERAL REMARKS**

1. FLOOR MATERIAL CHANGES OCCUR AT CENTERLINE OF DOOR.
2. ACCESS PANELS, ELECTRICAL PANELS, HYAC REGISTERS & FIRE EXTINGUISHER CABINETS SHALL BE PRE-FINISHED OR PAINTED TO MATCH ADJACENT WALLS OR CEILING.
3. ALL DOOR & WINDOW FRAMES TO RECEIVE A CONTINUOUS BEAD OF SEALANT AT ALL PERIMETER EDGES.
4. ALL EXPOSED STEEL SHALL BE PAINTED.
5. REFER TO REFLECTED CEILING PLANS AND SECTIONS WHERE CEILING HEIGHT VARIES.
6. ALL GYPSUM BOARD SOFFITS SHALL BE PAINTED.
7. ROOMS 104, 106, 110 USE CT-1 BASE ON CT-1 FLOORING & USE RB-1 BASE ON CPT-1. ALL BASE TRANSITIONS TO OCCUR AT INTERIOR CORNERS.

**ABBREVIATIONS**

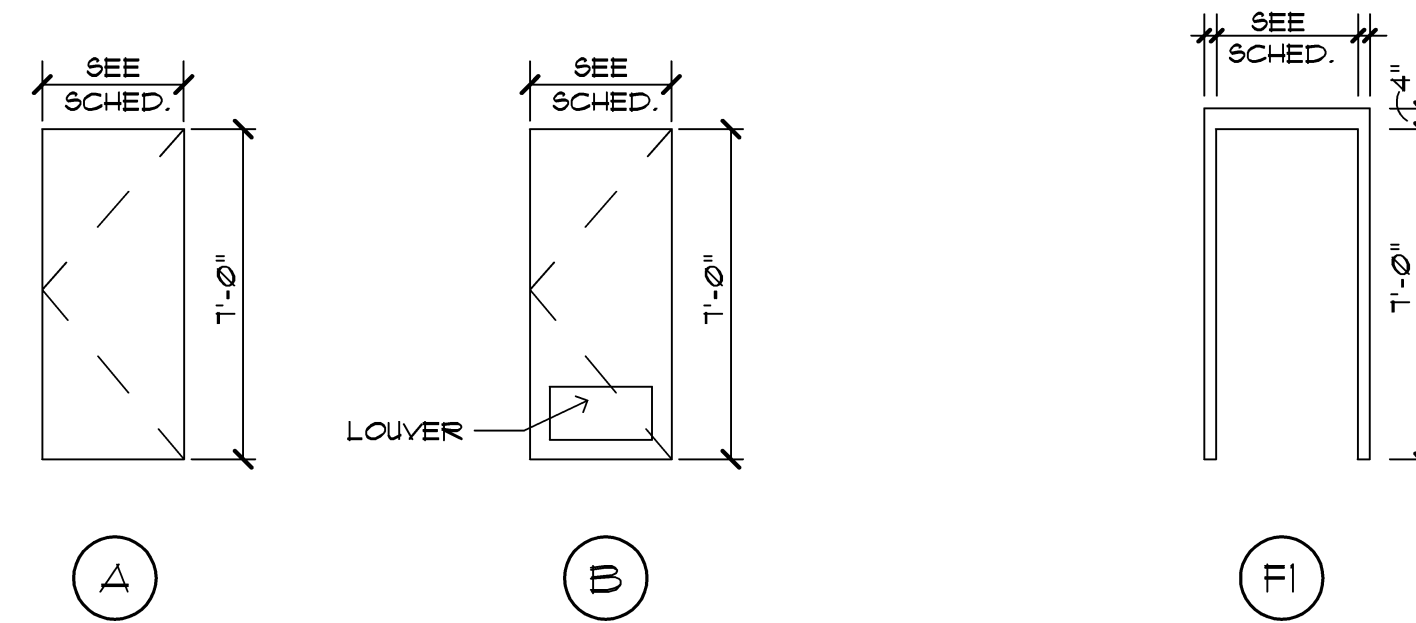
- AL/GL. = ALUMINUM & GLASS
- ALUM. = ALUMINUM
- CANOD. = CLEAR ANODIZED
- BI = BI-FOLD
- H.M. = HOLLOW METAL
- H.M.K.D. = HOLLOW METAL KNOCK DOWN
- GL. = GLASS
- MANF. = BY MANUFACTURER
- O.H. = OVERHEAD DOOR
- FFKD. = PRE-FIN. METAL KNOCK DOWN FRAME
- F. LAM. = FLASTIC LAMINATE
- PRE-FIN. = PRE-FINISHED
- STL. = STEEL
- S.V. = STAIN & VARNISH (FIELD FINISHED)
- WD. = WOOD, SOLID CORE

**CODED REMARKS**

1. CLOSER
2. SAFETY GLASS VISION LITE
3. SAFETY GLASS SIDE LITE
4. VINYL CARPET TO TILE JOINER
5. METAL THRESHOLD
6. MARBLE THRESHOLD
7. VINYL REDUCING STRIP
8. TERRAZZO STRIP
9. GROUT FILLED FRAME
10. LIMIT DOOR TO 90° SWING
11. DOOR TO OPEN 135°
12. PUSH / PULL
13. WALL MOUNTED DOOR STOP
14. WEATHER STRIPPING
15. KICK DOWN DOOR STOP
16. UNDERCUT DOOR 1"
17. SUITE STYLE DOOR

**GENERAL DOOR & FRAME NOTES**

1. ALL DOOR FRAMES ARE TO RECEIVE CONTINUOUS BEAD OF SEALANT AT PERIMETER - BOTH SIDES.
2. ALL H.M. FRAMES SHALL BE GROUT FILLED.
3. ALL H.M. DOORS TO BE GALVANIZED, PAINTED

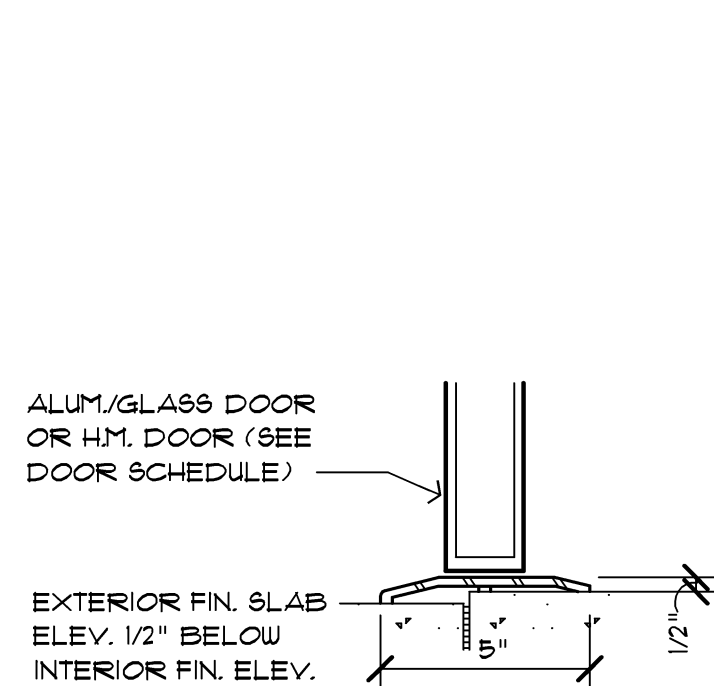


**DOOR TYPES**

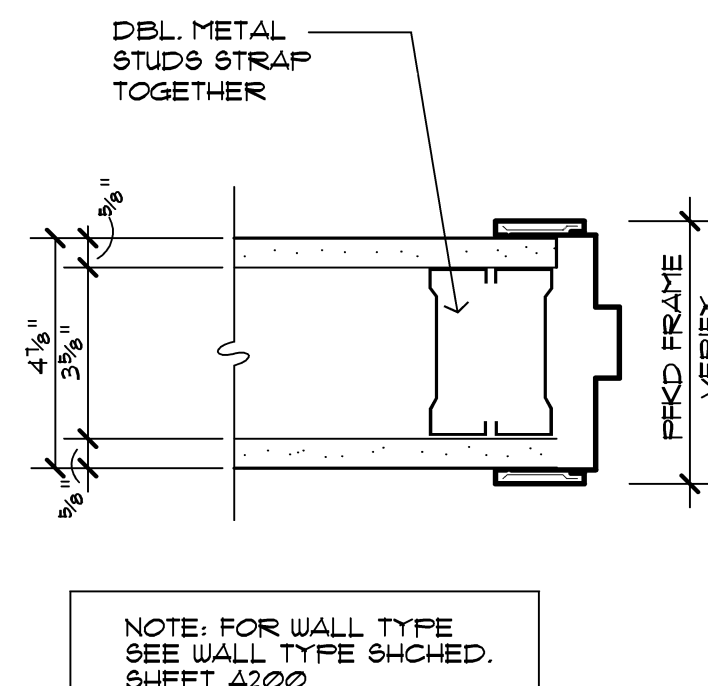
NO SCALE

**FRAME TYPES**

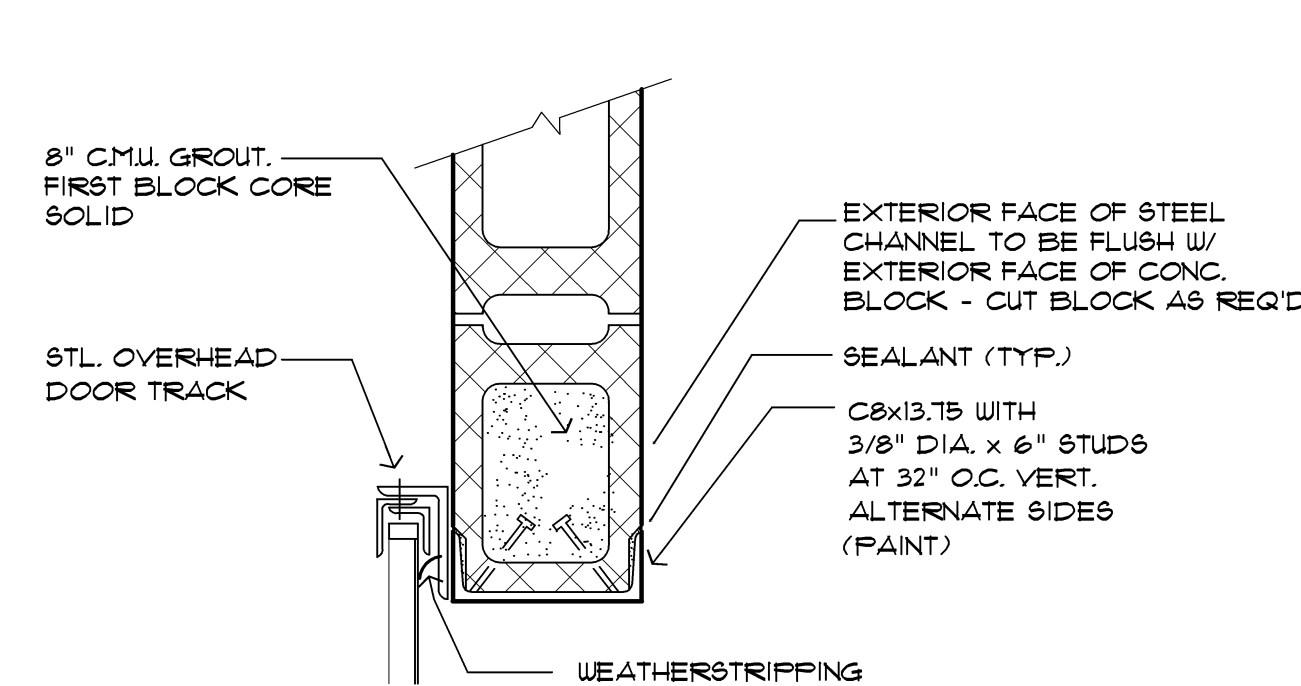
NO SCALE



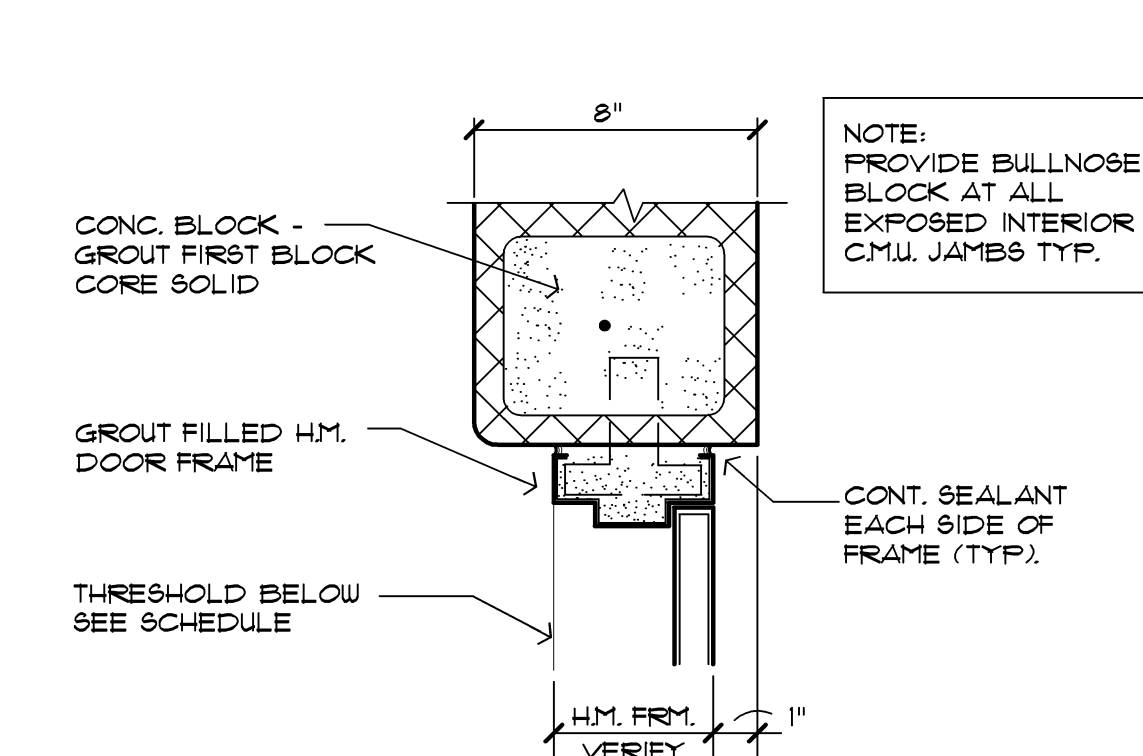
1.104 THRESHOLD DETAIL  
 SCALE: 3" = 1'-0"



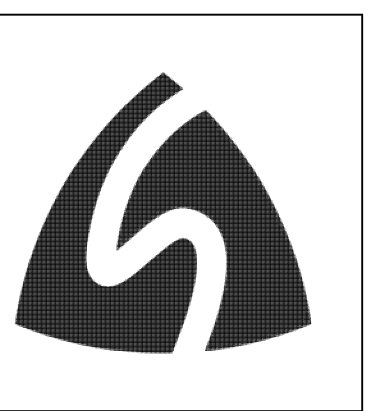
1.103 JAMB  
 SCALE: 1" = 1'-0"



1.102 JAMB DETAIL  
 SCALE: 1 1/2" = 1'-0"



1.101 JAMB DETAIL  
 SCALE: 1 1/2" = 1'-0"



Issue / revision date
3-7-17 Prelim. Review
3-21-17 Prelim. Review
5-9-17 Prelim. Review
5-16-17 Prelim. Review
6-7-17 City Review
6-19-17 Bids

drawn by \_\_\_\_\_ checked by \_\_\_\_\_

City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan  
 project

Amphitheater  
 Room and Door Schedule  
 sheet title

Dorchen/Martin Associates, Inc.  
 Architects/Planners  
 29895 Greenfield Rd., Suite 107  
 Southfield, Michigan 48076  
 (248) 557-1002  
 Fax: (248) 557-1231

job no. 16078A sheet no. AMP-A7.1



PLUMBING FIXTURE SCHEDULE								
TAG	BARRIER FREE	ITEM	PIPE CONNECTION SIZES				MANUFACTURER & MODEL NO.	ACCESSORIES
			WASTE	VENT	CW	HW		
FD-1	-	FLOOR DRAIN	3"	1 1/2"	-	-	ZURN: Z-415-B	
LAV-1	Y	INTERNAL BOWL LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	CORIAN 810	FAUCET: KOHLER; PURIST; MODEL #K-14410-4-CP. PROVIDE ASSE 1070 MIXING VALVE.
SK-1	-	UNDERMOUNT	2"	1 1/2"	1/2"	1/2"	-	FAUCET: KOHLER PURIST; MODEL# K-7505-CP. GARBAGE DISPOSAL: INSINKERATOR BADGER 5, 1/2 HP
SS-1	-	SERVICE SINK	3"	1 1/2"	3/4"	3/4"	FIAT: MSB-2424	FAUCET: FIAT # 830-AA W/VACUUM BREAKER, STAINLESS STEEL GRID STRAINER, PAIL HOOK AND HOSE THREAD, HOSE AND MOP HANGERS.
WC-1	Y	FLOOR MOUNTED WATER CLOSET	4"	2"	1"	-	- AMERICAN STANDARD: CADET 3: 270CA.001	- TOILET SEAT & LID

NOTES:

- SUPPLY ALL FIXTURES WITH LOOSE KEY STOPS.
- PROVIDE ALL ACCESSORIES NECESSARY FOR COMPLETE AND OPERABLE INSTALLATION.
- PROVIDE CARRIERS FOR ALL FIXTURES PER MANUFACTURER'S RECOMMENDATIONS.
- WHERE REQUIRED AND WHERE DESIGNATED, FIXTURES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE TO THE LATEST EDITION OF "THE BARRIER" FREE DESIGN REQUIREMENTS OF THE STATES CONSTRUCTION CODE.
- REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION/MOUNTING HEIGHT OF ALL FIXTURES.

DOMESTIC WATER HEATER ELECTRICAL SCHEDULE							
UNIT ID	STORAGE CAPACITY (GAL)	VOLTS	PHASE	HERTZ	KW INPUT	MODEL NO.	REMARKS
EWH-1	40	208	3	60	9	LE240S3-3	

NOTES:

- MODEL NUMBERS ARE LOCHINVAR UNLESS OTHERWISE NOTED.
- 9 KW HEATER IS ACHIEVED THROUGH TWO SIMULTANEOUSLY OPERATING 4.5 KW HEATING ELEMENTS.

MECHANICAL GENERAL NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC & INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE PLUMBING AND HVAC SYSTEMS COMPLETE PER SPECIFICATION, SMACNA STANDARDS, AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS, SPECIAL RADIUS OR MITERED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER STRUCTURAL CONDITIONS.
- CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY WORK.
- DUCTWORK/PIPING SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT. DUCTWORK/PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
- THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.
- REFER TO ARCHITECTURAL PLANS FOR SPECIFICATIONS AND EXACT LOCATIONS OF FIXTURES (STANDARD AND BARRIER FREE), SINKS, ETC.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.
- PIPING/DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT/ABOVE OF ELECTRICAL EQUIPMENT. PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
- PIPING SHALL NOT BE INSTALLED IN A LOCATION THAT RESTRICTS THE ACCESS TO MECHANICAL DEVICES REQUIRING ACCESS.
- HOT AND COLD WATER PIPING RUN-OUTS TO LAVS AND SINKS SHALL BE 3/4" UNLESS NOTED OTHERWISE. REFER TO PLUMBING FIXTURE SCHEDULE FOR CONNECTION SIZES. PROVIDE BRANCH LINE ISOLATION VALVES ON DOMESTIC PIPING TO EACH GROUP OF FIXTURES AND TOILET ROOMS. PROVIDE FULL OPEN VALVES PER PLUMBING CODE.
- PROVIDE CODE REQUIRED CLEARANCE/ACCESS DOORS FOR DAMPERS, VALVES, AND CLEANOUTS LOCATED IN WALLS OR ABOVE HARD CEILINGS, AND LOCATIONS OF CLEANOUTS INSTALLED IN STORM AND SANITARY PIPING. COORDINATE LOCATIONS WITH ARCHITECT. PROVIDE CLEANOUTS AT THE BASE OF ALL STACKS. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPES.
- FOR EQUIPMENT VALVING, COMPONENT, AND PIPING ARRANGEMENT, REFER TO PIPING DIAGRAMS AND DETAILS.

architect seal

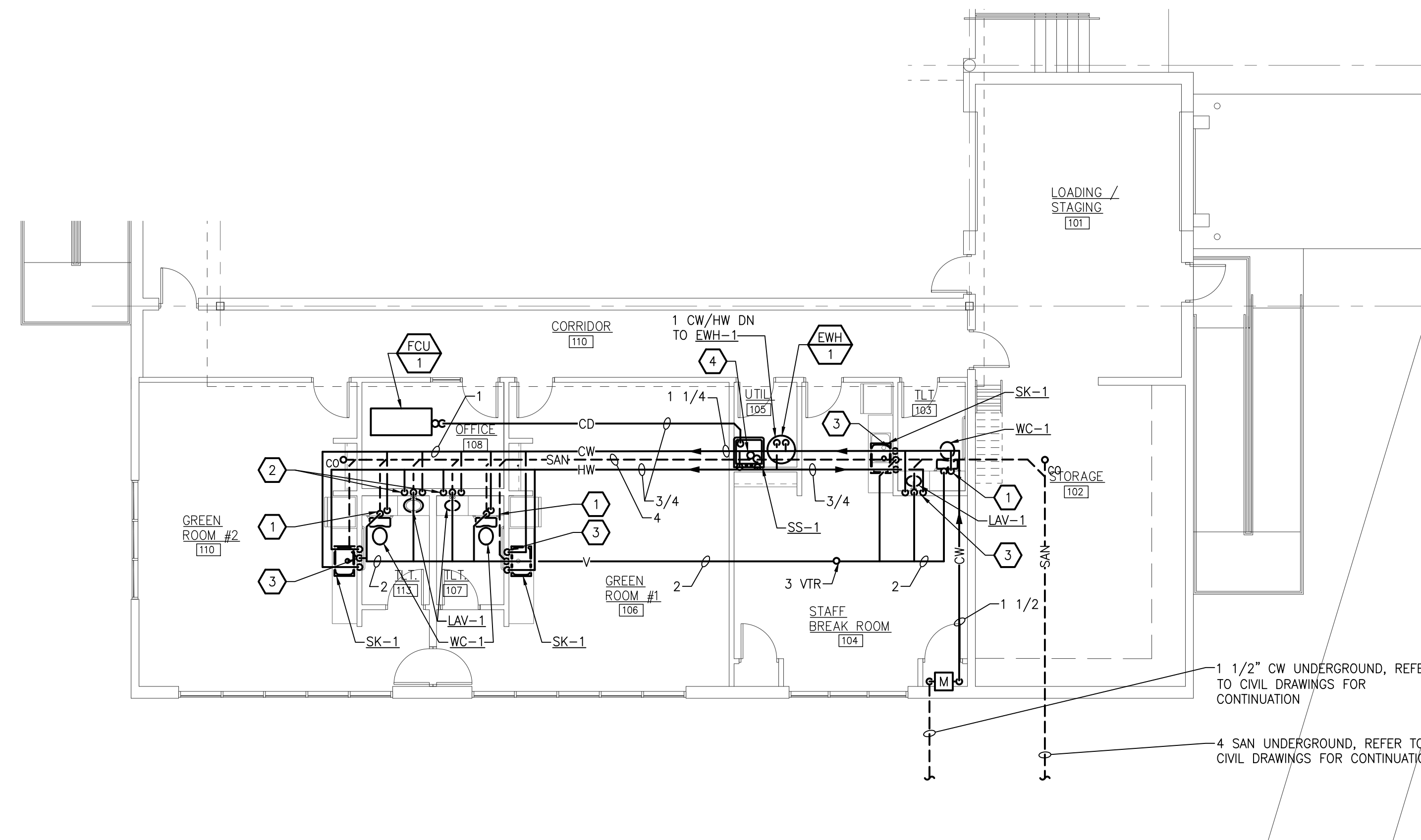


Strategic Energy Solutions®  
4000 E Eleven Mile Road Ber. ley, MI 48072  
Phone 248.399.1900 Fax 248.399.1901  
www.sesnet.com  
SES Project # 17 0454 01



FIELD NOTES

- ROUTE 4" SANITARY, 2" VENT AND 3/4" CW DOWN TO WATER CLOSET.
- ROUTE 1/2" SANITARY, 1 1/4" VENT, 1/2" HOT WATER DOWN TO LAVATORY.
- ROUTE 1 1/2" SANITARY, 1 1/4" VENT, 1/2" COLD WATER AND 1/2" HOT WATER DOWN TO SINK.
- ROUTE 3" SANITARY, 1 1/2" VENT, 3/4" COLD WATER, 3/4" HOT WATER AND 3/4" CONDENSATE DRAIN DOWN TO SERVICE SINK.



AMPHITHEATER PLUMBING NE OR PLAN  
SCALE: 1/8" = 1'-0"

Issue / revision date	Owner Review
5-09-17	Owner Review
6-06-17	Coordination
6-16-17	Bids

drawn by	checked by
RHM	JDK

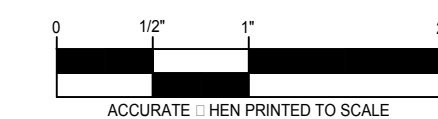
City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan

AMPHITHEATER  
PLUMBING NEW WORK  
PLAN

project sheet title

Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no.	sheet no.
16078A	M2.1

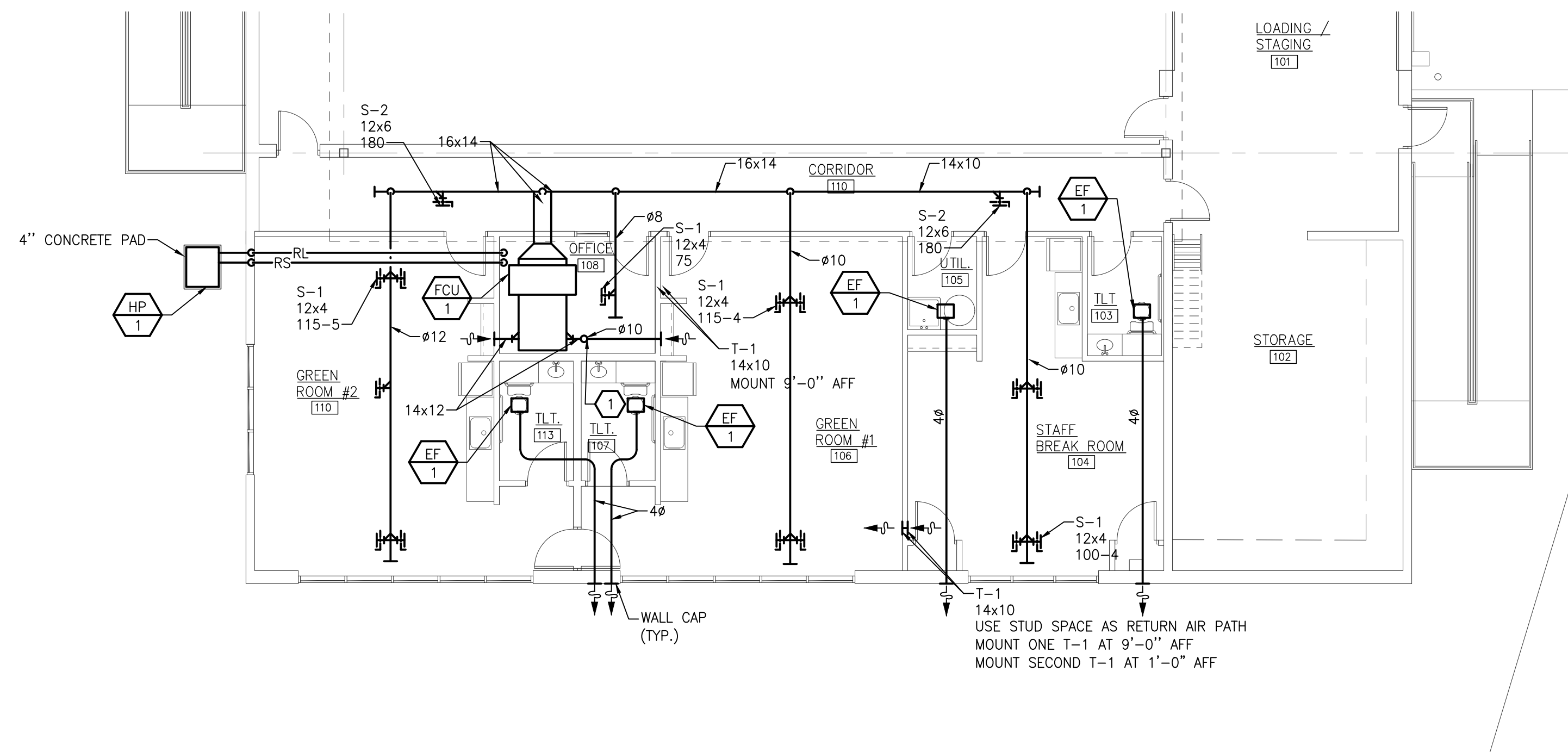


**MECHANICAL GENERAL NOTES**

- THESE DRAWINGS ARE DIAGRAMMATIC & INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE PLUMBING AND HVAC SYSTEMS COMPLETE PER SPECIFICATION, SMACNA STANDARDS, AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS, SPECIAL RADIUS OR MITERED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER STRUCTURAL CONDITIONS.
- CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY WORK.
- DUCTWORK/PIPING SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT. DUCTWORK/PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
- THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.
- COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS ETC. WITH ARCHITECTURAL TRADES.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.
- PIPING/DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT/ABOVE OF ELECTRICAL EQUIPMENT. PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
- PROVIDE CODE REQUIRED CLEARANCE/ACCESS DOORS FOR DAMPERS, VALVES, AND CLEANOUTS LOCATED IN WALLS OR ABOVE HARD CEILINGS. COORDINATE LOCATIONS WITH ARCHITECT.
- BRANCH DUCTWORK TO GRILLES, REGISTERS AND DIFFUSERS SHALL BE THE SAME SIZE AS THE GRILLE, REGISTER OR DIFFUSER NECK SIZE WHERE NO DUCT SIZE IS INDICATED ON PLAN.
- MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 5'-0".

**KEYED NOTES**

- ① OUTSIDE AIR INTAKE, TERMINATE WITH GOOSE NECK MINIMUM 18" ABOVE ROOF DECK. BALANCE TO 300 CFM.



**AMPHITHEATER SHEET METAL NECK OR PLAN**  
SCALE: 1/8" = 1'-0"

GRILLE, REGISTER AND DIFFUSER SCHEDULE								
UNIT ID	FACE SIZE	NECK SIZE	MOUNTING	ACCESSORY	FINISH	MATERIAL	MODEL NO.	REMARKS
S-1	NECK+2"	SEE PLANS	DUCT	-	WHITE	STEEL	SDG	
S-2	NECK+2"	SEE PLANS	DUCT	-	WHITE	STEEL	520D	
R-1	NECK+2"	SEE PLANS	NOTE 2	-	WHITE	STEEL	530	

- NOTES:**
- MODEL NUMBERS ARE PRICE UNLESS OTHERWISE NOTED.
  - REFER TO ARCHITECTURAL CEILING PLAN AND COORDINATE FRAME TYPE ACCORDINGLY.

EXHAUST FAN SCHEDULE													
UNIT ID	SERVING	TYPE	CFM	ESP (IN WG)	FAN RPM	MOTOR				ELECTRICAL		MODEL NO.	REMARKS
						WATTS	HP	RPM	DRIVE TYPE	VOLTS	PHASE		
EF-1	RESTROOM	CEILING	90	0.25	1,161	20.7	-	-	-	120	1	FV-11VQ5	INTLERLOCK WITH LIGHT SWITCH
EF-2	RESTROOM	CEILING	90	0.25	1,161	20.7	-	-	-	120	1	FV-11VQ5	INTLERLOCK WITH LIGHT SWITCH
EF-3	RESTROOM	CEILING	90	0.25	1,161	20.7	-	-	-	120	1	FV-11VQ5	INTLERLOCK WITH LIGHT SWITCH
EF-4	JANITOR'S CLOSET	CEILING	90	0.25	1,161	20.7	-	-	-	120	1	FV-11VQ5	INTLERLOCK WITH LIGHT SWITCH

- NOTES:**
- MODEL NUMBERS ARE PANASONIC UNLESS OTHERWISE NOTED.
  - PROVIDE WITH GRAVITY BACKDRAFT DAMPER.
  - CONTROL SHALL BE BY MANUAL MOTOR STARTER PROVIDED BY ELECTRICAL TRADES.
  - PROVIDE WALL CAP AT TERMINATION POINT.

FAN COIL UNIT SCHEDULE															
UNIT ID	NOMINAL AIRFLOW (CFM)	OUTSIDE AIRFLOW (CFM)	FAN		COOLING COIL	HEATING COIL	MAXIMUM UNIT DIMENSIONS			FILTER	ELECTRICAL			MODEL NO.	REMARKS
			QTY	ESP	TOTAL CAPACITY (MBH)	CAPACITY (MBH)	LENGTH (IN)	DEPTH (IN)	HEIGHT (IN)	TYPE	AMPS	VOLTS	PHASE		
FCU-1	1,800	300	2	0.30	76.4	86	61.5	27.125	18.125	MERV 8	5.2	208	1	ARNU763B8A4	

- NOTES:**
- MODEL NUMBERS ARE LG UNLESS NOTED OTHERWISE.
  - CAPACITIES BASED ON HIGH SPEED SETTING.
  - COOLING COIL CAPACITY BASED ON 75° F DB, 62.5° F WB EAT.

AIR SOURCE HEAT PUMP SCHEDULE											
UNIT ID	NOMINAL TONNAGE	MINIMUM SEER	ELECTRICAL				FAN	COMPRESSORS		MODEL NO.	REMARKS
			MCA	MAX FUSE SIZE	VOLTS	PHASE	CFM	NO.	TYPE		
HP-1	6	17	22.6	35	208	3	8,470	1	SCROLL	ARUM072BTE5	

- NOTES:**
- MODEL NUMBERS ARE TRANE LG OTHERWISE NOTED.

architect seal



**Issue / revision date**

5-09-17	Owner Review
6-06-17	Coordination
6-16-17	Bids

drawn by: RHM checked by: JJK

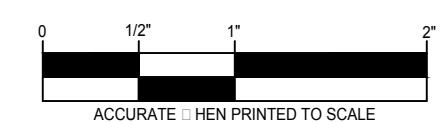
City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan

AMPHITHEATER SHEET  
METAL NEW WORK  
PLAN

project sheet title

Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. 16078A sheet no. M2.2







Issue / revision date	Owner Review
5-09-17	Coordination
6-06-17	Coordination
6-16-17	Bids

drawn by: CEM checked by: PDH

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project sheet title  
AMPHITHEATER ELECTRICAL NEW WORK PLAN

Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

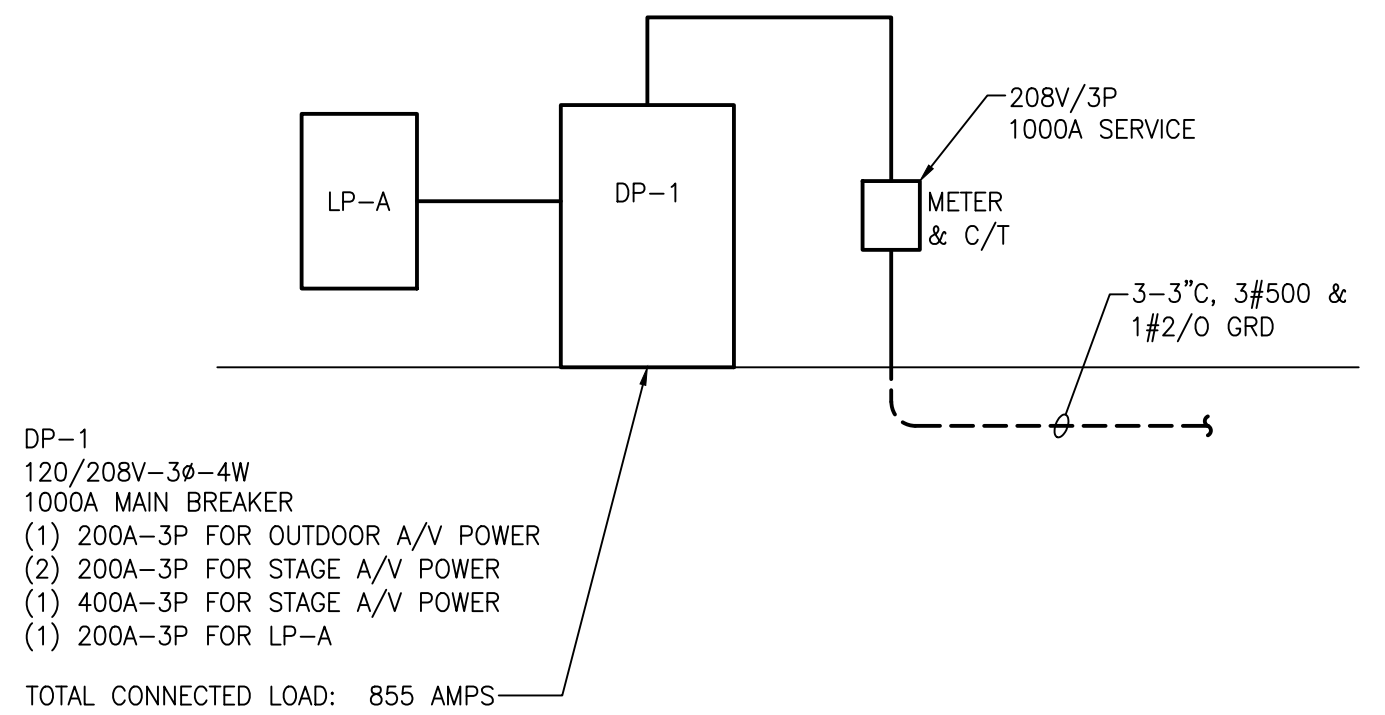
job no. 16078A sheet no. E2.1

**ELECTRICAL GENERAL NOTES**

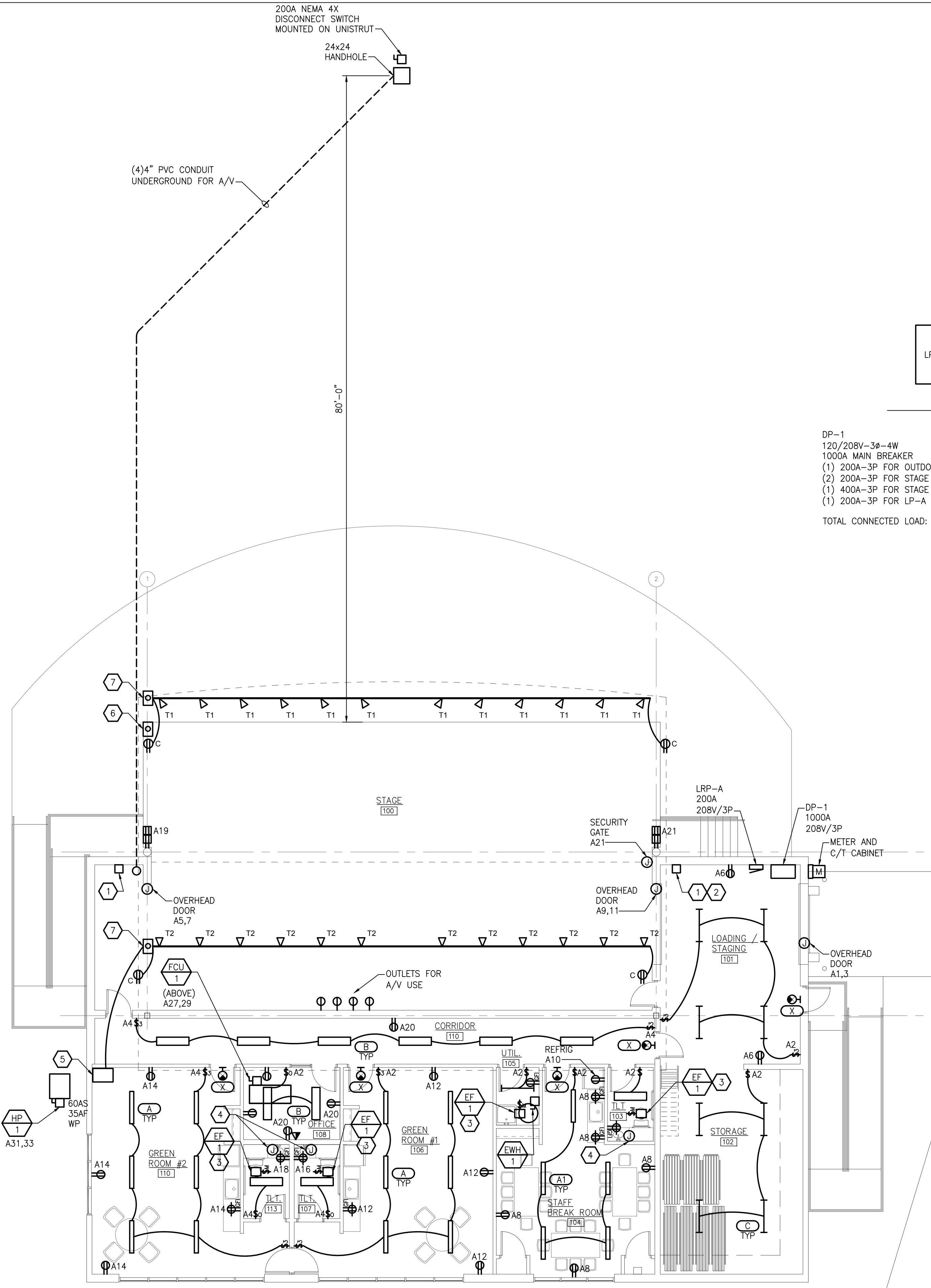
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LIGHTING FIXTURES UNLESS OTHERWISE NOTED.
- SEE LUMINAIRE SCHEDULE ON ELECTRICAL GENERAL INFORMATION SHEET.
- EXIT LIGHTS AND EMERGENCY BATTERY UNITS SHALL BE UNCONTROLLED AND TIED AHEAD OF LOCAL AREA LIGHTING SWITCH, UNLESS CIRCUITED OTHERWISE.
- WHERE MORE THEN ONE LIGHT SWITCH IS INDICATED TO BE INSTALLED AT THE SAME LOCATION, THEY SHALL BE GROUPED UNDER ONE COMMON FACEPLATE.
- ALL ELECTRICAL DEVICES SHOWN ON THIS PLAN SHALL BE NEW UNLESS OTHERWISE NOTED.
- ANY 120 VOLT BRANCH CIRCUIT FEEDER LONGER THAN 75'-0" TO LAST DEVICE SHALL BE SIZED TO THE NEXT LARGER STANDARD AWG SIZE. E.C. SHALL FIELD VERIFY ALL LENGTHS OF FEEDERS.
- ALL RECEPTACLES SHALL BE 20A. RATED.
- ALL DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE.
- ALL RECEPTACLES WITHIN 6'-0" OF SINK OR OTHER WATER SUPPLY SHALL BE GFCI TYPE RECEPTACLE.
- REFER TO ARCHITECTURAL FLOOR PLAN AND ELEVATIONS FOR EXACT LOCATION OF DEVICES.
- ALL JUNCTION BOXES SERVING BRANCH CIRCUIT WIRING SHALL BE LABELED WITH CIRCUITS SERVED.
- ALL 120 VOLT CIRCUITS SHALL UTILIZE A SEPARATE NEUTRAL.
- ALL CONDUITS SERVING 120 VOLTS OR GREATER SHALL INCLUDE A GROUND WIRE.
- ALL CONDUITS SHALL BE ROUTED CONCEALED UNLESS NOTED OTHERWISE.
- ALL ELECTRICAL EQUIPMENT MOUNTED ON THE FLOOR SHALL BE MOUNTED ON A 4" CONCRETE HOUSE KEEPING PAD.
- ALL BRANCH CIRCUIT WIRING SHALL BE 2#12, 1#12GND IN 3/4" CONDUIT, UNLESS NOTED OTHERWISE.

**KEYED NOTES**

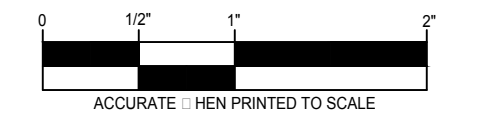
- 1 200A COMPANY SWITCH WITH CAM LOCK CONNECTION.
- 2 400A COMPANY SWITCH WITH CAM LOCK CONNECTION.
- 3 EXHAUST FAN INTERLOCKED WITH LIGHT SWITCH.
- 4 POWER CONNECTION FOR BACKLIT MIRROR.
- 5 STAGE LIGHTING CONTROLS - ETC RESPONSE DMX/RDM OPTO-SPLITTER RSN-1IN3OUT.
- 6 STAGE LIGHTING CONTROLS - ETC ECPB-DMXIN W/WEATHERPROOF COVER.
- 7 STAGE LIGHTING CONTROLS - ETC ECPB-DMXOUT, PIPE MOUNTED.



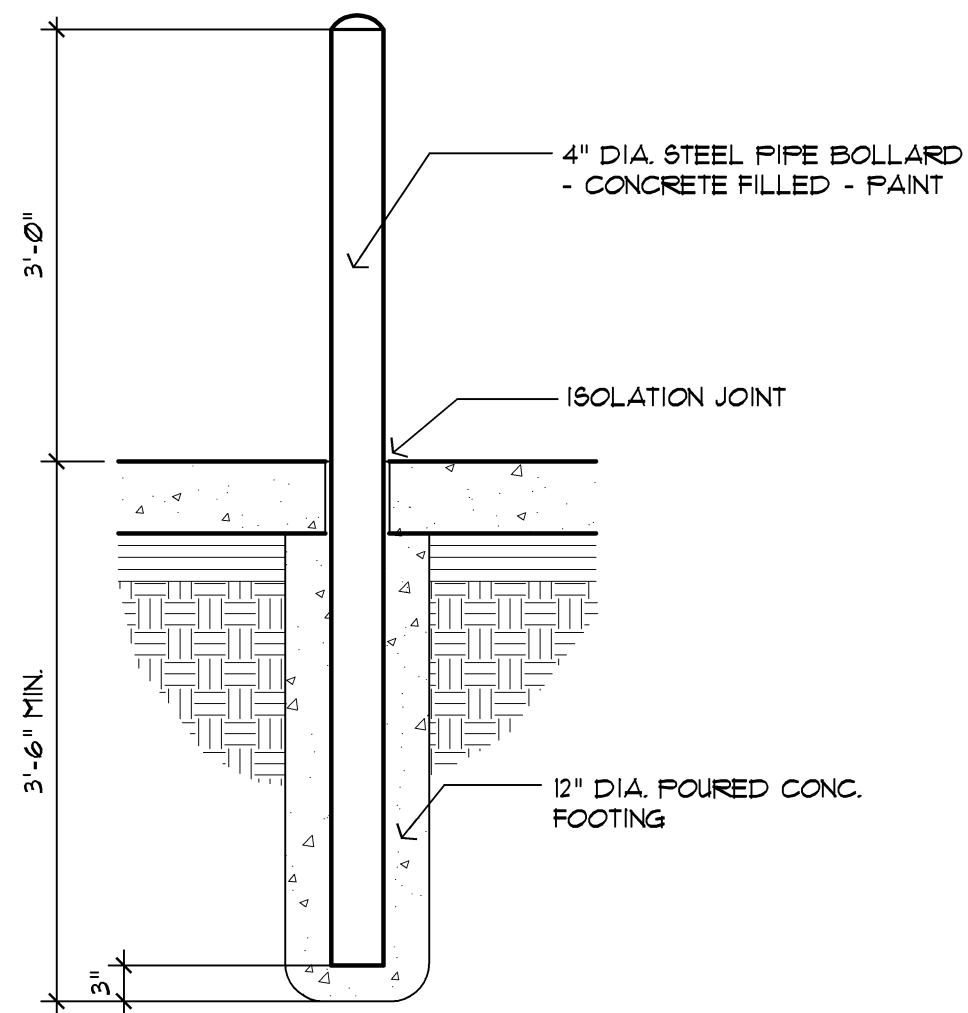
PANEL NAME: LP-A		MAIN: MLO		L-L VOLTAGE: 208											
LOCATION: AMPHITHEATER		BUSING: 225A		L-N VOLTAGE: 120											
SOURCE: DP-1		GROUND BUS: STANDARD		PHASE: 1											
FEEDER SIZE:		MOUNTING: SURFACE		WIRE: 3											
		NEUTRAL: 100%		MIN SC INTERRUPT RATING: 22kA											
LOAD DESCRIPTION	LIGHTING LOAD	RECEPTACLE LOAD	CONTINUOUS LOAD	NON-CONTINUOUS LOAD	OCPD	CKT	L1	L2	CKT	OCPD	NON-CONTINUOUS LOAD	CONTINUOUS LOAD	RECEPTACLE LOAD	LIGHTING LOAD	LOAD DESCRIPTION
OVERHEAD DOOR - DOCK	0	0	1500	20	1	1	2	20					0	1000	LIGHTING
OVERHEAD DOOR - STAGE LEFT	0	0	1500	20	3	4	6	20					360	800	RECEPTACLES - STORAGE
OVERHEAD DOOR - STAGE RIGHT	0	0	1500	20	7	8	10	20					900		RECEPTACLES - BREAKROOM
SPARE	0	0	1500	20	9	10	12	20					800		REFRIG
SECURITY GATE	0	0	200	20	11	12	14	20					720		RECEPTACLES - GREEN ROOM
QUAD OUTLET - STAGE LEFT	360	0	0	20	13	14	16	20					720		RECEPTACLES - GREEN ROOM
QUAD OUTLET - STAGE RIGHT	360	0	0	20	15	16	18	20					180		RECEPTACLE - TOILET ROOM
WATER HEATER	0	0	4500	20	17	18	20	20					180		RECEPTACLE - TOILET ROOM
FCU-1	0	0	4500	20	19	20	22	20					0	1200	RECEPTACLES - OFFICE, HALL
HP-1	0	0	4500	20	21	22	24	20					0		SPARE
SPACE	0	0	540	20	23	24	26	20					0	1200	STAGE LIGHTING - FRONT
SPACE	0	0	540	20	25	26	28	20					0	1200	STAGE LIGHTING - REAR
SPACE	0	0	540	20	27	28	30	20					0		SPARE
SPACE	0	0	2350	35	29	30	32	20					0		SPARE
SPACE	0	0	2350	35	31	32	34	20					0		SPARE
SPACE	0	0	20	20	33	34	36	20					0		SPACE
SPACE	0	0	20	20	35	36	38	20					0		SPACE
SPACE	0	0	20	20	37	38	40	20					0		SPACE
SPACE	0	0	20	20	39	40							0		SPACE



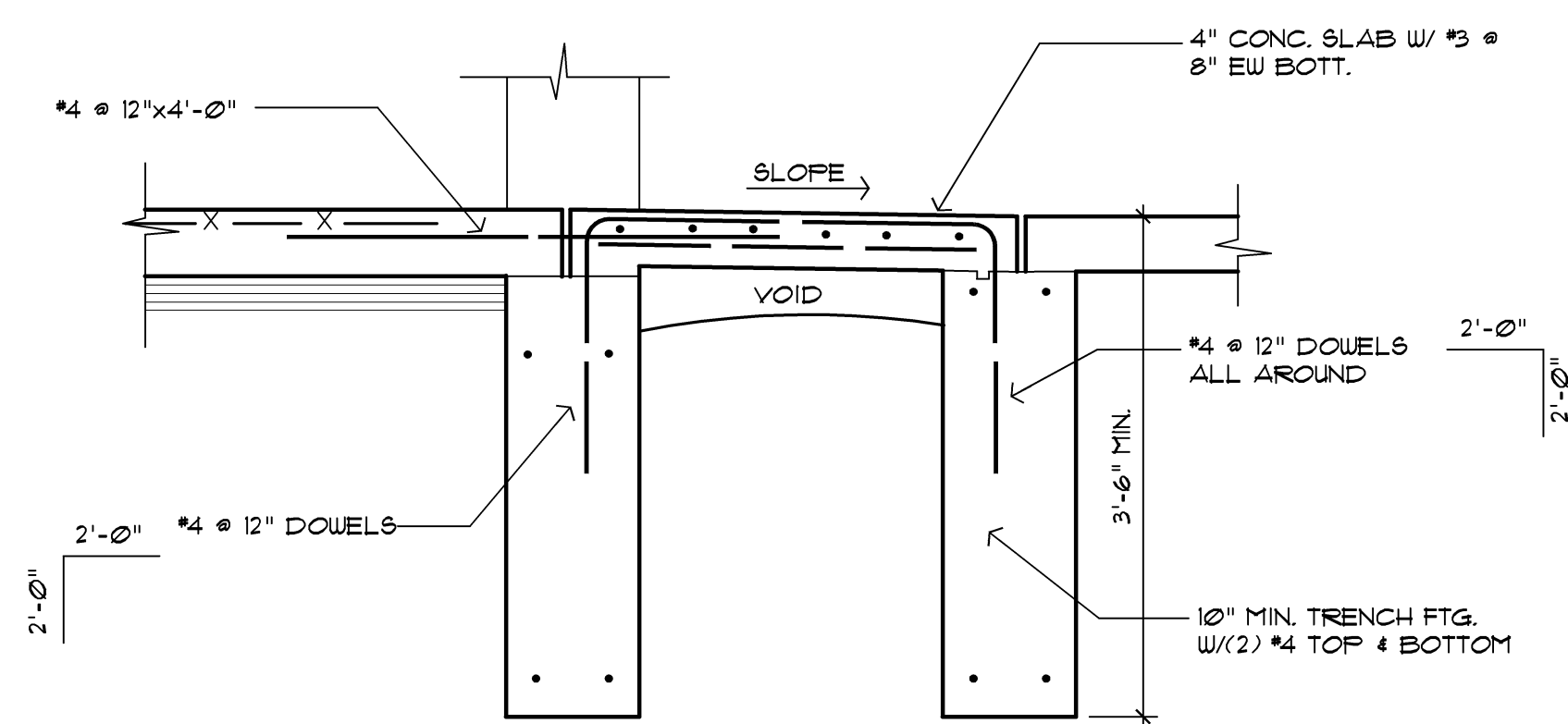
**AMPHITHEATER ELECTRICAL NE OR PLAN**  
SCALE: 1/8" = 1'-0"



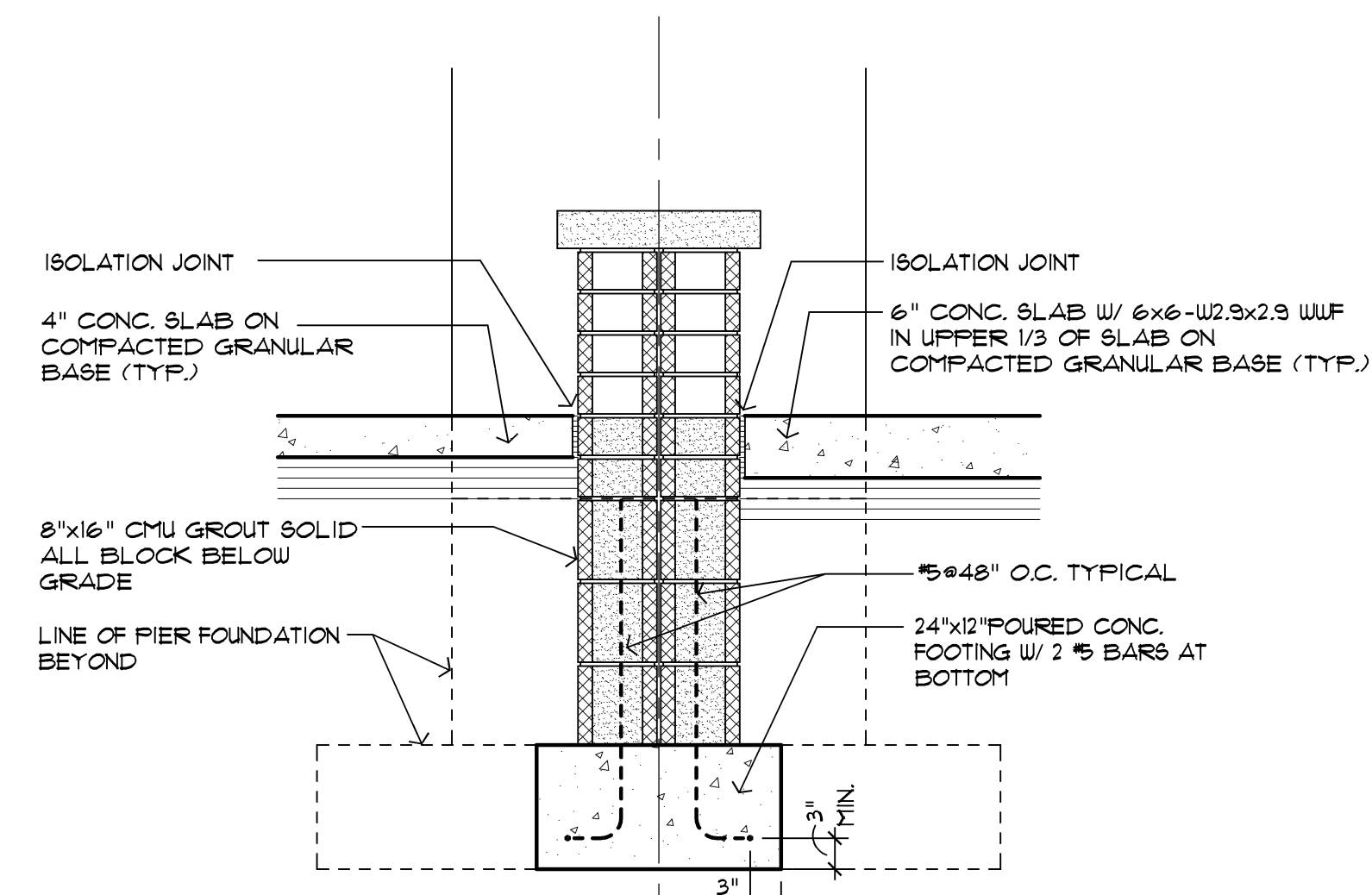
Drawing: S:\17 0454 01 Sterling Heights Parks & Rec\CAD\Elect\GD02\_AMP\_E2.1.dwg Date: Jun 16, 2017, 9:22am Layout: E2.1 Plotted by: pph



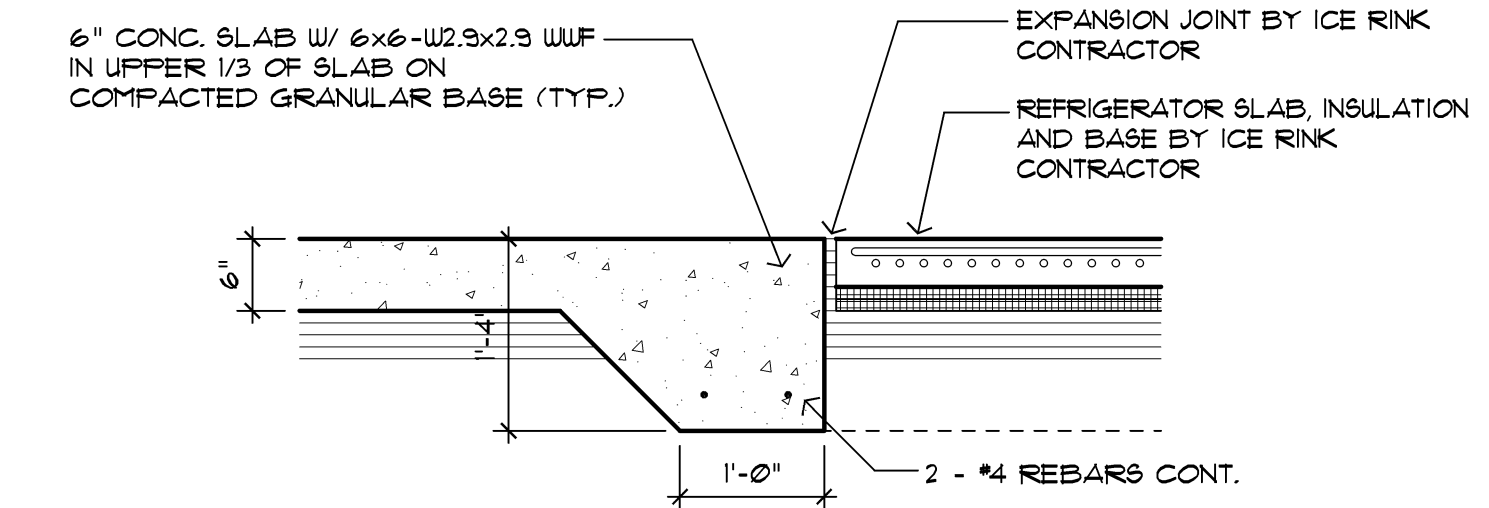
**1001** Bollard Detail  
A1.1 SCALE: 3/4" = 1'-0"



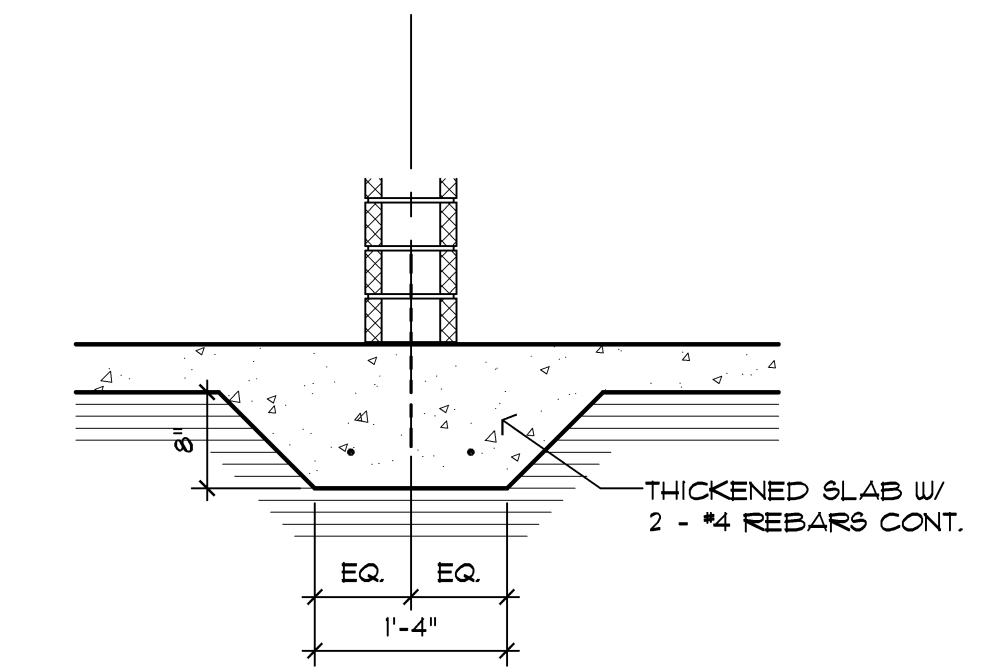
**1006** Supported Slab Detail  
A1.1 SCALE: 3/4" = 1'-0"



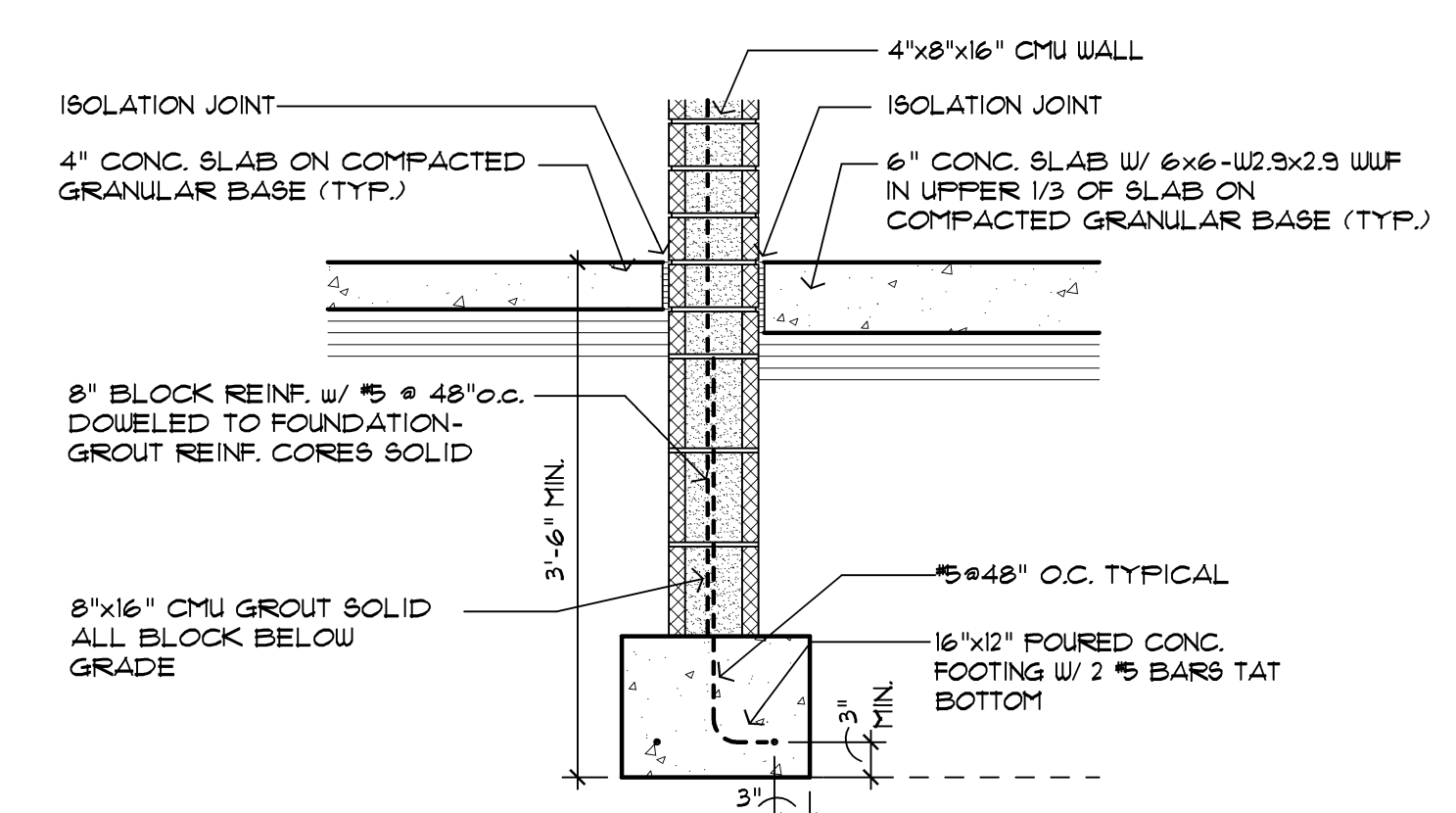
**1005** Foundation Detail at Low Wall  
A1.1 SCALE: 3/4" = 1'-0"



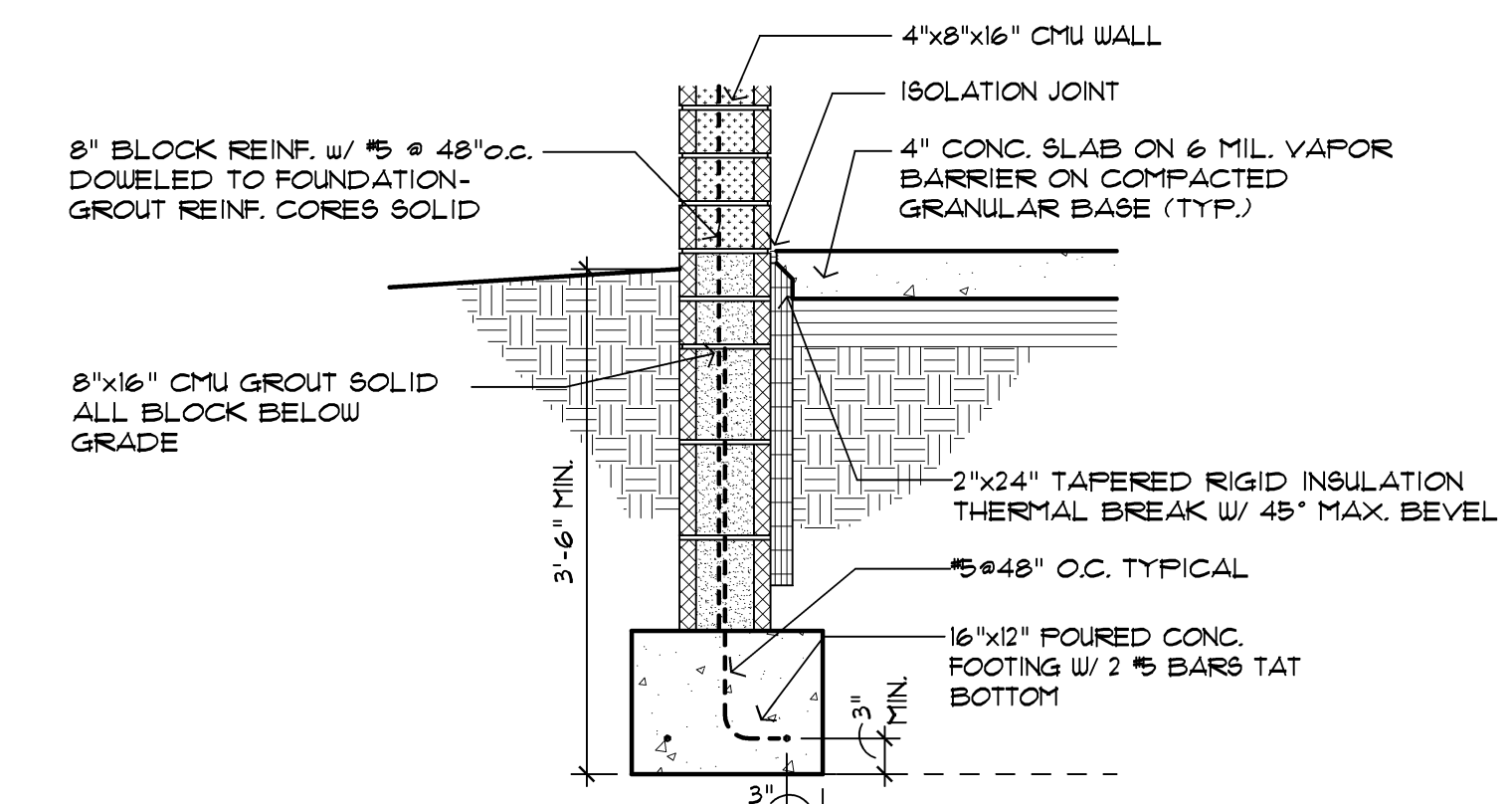
**1004** Foundation Detail at Ice Rink Floor  
A1.1 SCALE: 3/4" = 1'-0"



**1003** Foundation Detail at Thickened Slab  
A1.1 SCALE: 3/4" = 1'-0"



**1002** Foundation Detail at Exterior Wall  
A1.1 SCALE: 3/4" = 1'-0"



**1001** Foundation Detail at Exterior Wall  
A1.1 SCALE: 3/4" = 1'-0"



Issue / revision date
3-7-17 Prelim. Review
3-21-17 Prelim. Review
5-9-17 Prelim. Review
5-16-17 Prelim. Review
6-7-17 City Review
6-19-17 Bids

drawn by \_\_\_\_\_ checked by \_\_\_\_\_

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project

Farmers Market  
Foundation Details  
General Structural Notes  
sheet title

**Dorchen/Martin Associates, Inc.**  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. 16078A sheet no. FM-A10



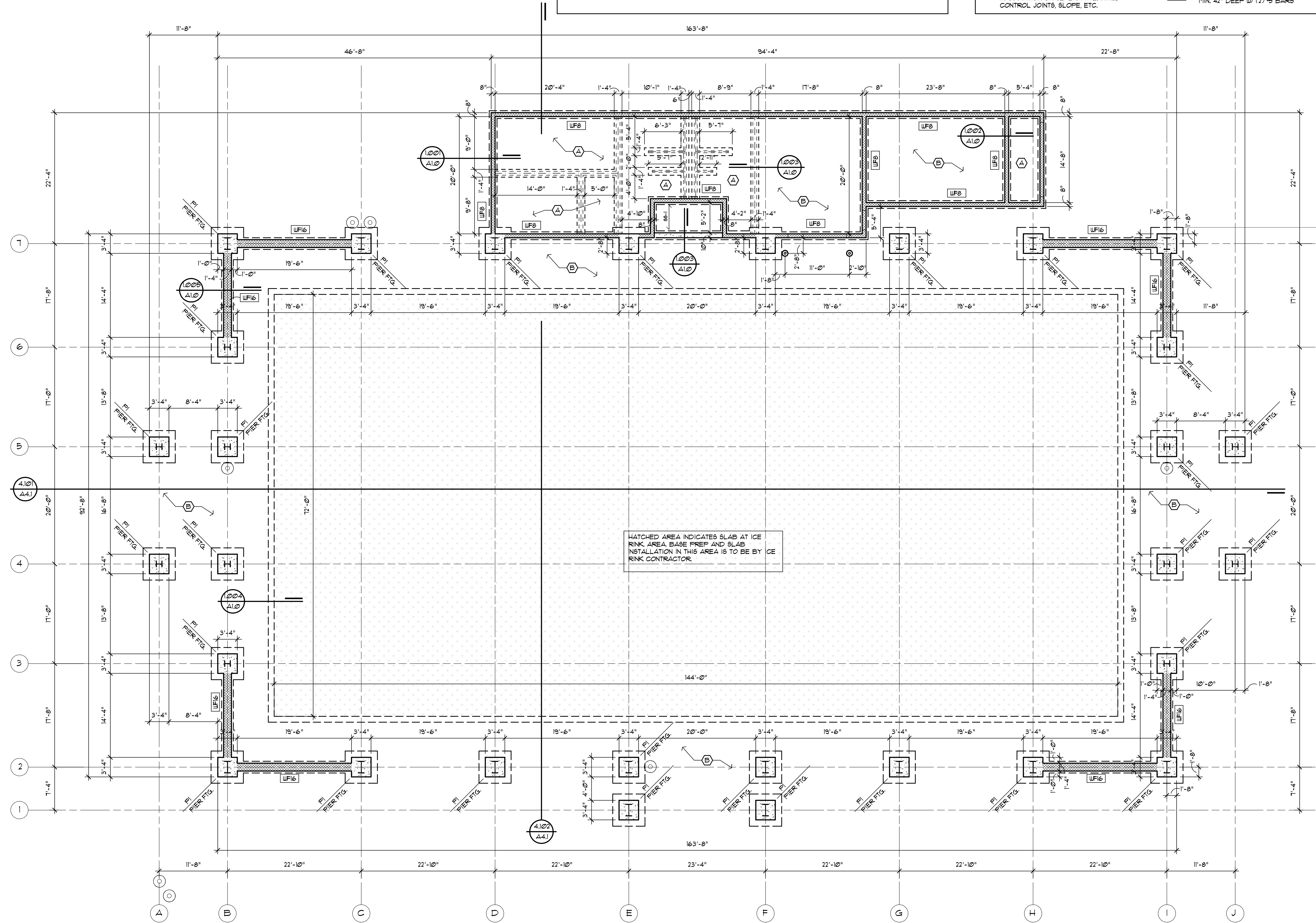
**FOUNDATION GENERAL NOTES:**

NOTE:  
THE FOUNDATIONS INDICATED ARE FOR BIDDING PURPOSES ONLY. THE DRAWINGS ARE INTENDED TO BE "DESCRIPTIVE" OF THE PRE-ENGINEERED BUILDING FOUNDATIONS, PENDING SUBMITTAL AND ACCEPTANCE OF METAL BUILDING MANUFACTURER AS SELECTED BY THE SUCCESSFUL BIDDER AND APPROVED BY THE ARCHITECT. FINAL FOUNDATION DRAWINGS WILL BE PROVIDED, WITH COORDINATION OF THE PRE-ENGINEERED METAL BUILDING MANUFACTURER, PRIOR TO PERMITTING AND CONSTRUCTION.

**FOUNDATION KEYED NOTES:**

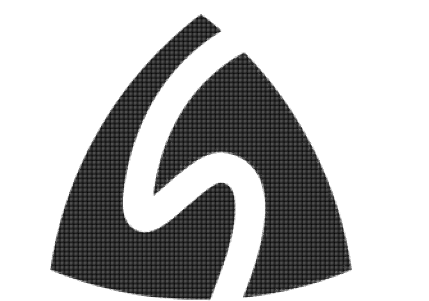
- (A) TYP. INTERIOR SLAB  
4" CONC. SLAB ON 6 MIL V.B. ON 4" COMP. GRANULAR BASE - SEE FLOOR PLAN FOR DRAINS, SLAB SLOPE AND CONTROL JOINTS
- (B) TYP. EXTERIOR SLAB  
6" CONC. SLAB ON 4" COMP. GRANULAR BASE - SEE FLOOR PLAN FOR MORE INFORMATION ON SLAB PATTERNING, CONTROL JOINTS, SLOPE, ETC.
- PI PIER FOOTING  
40"x40" PIER ON 5'-6"x5'-6"x12" PAD FTG. MIN. 42" DEEP W/ (6) #5 BARS EACH WAY T & B
- UF16 16" WIDE FNDN. WALL ON 24"x12" SPREAD FTG. MIN. 42" DEEP W/ (2) #5 BARS
- UF8 8" WIDE FNDN. WALL ON 16"x12" SPREAD FTG. MIN. 42" DEEP W/ (2) #5 BARS

Copyright © 2016  
DORCHEN/MARTIN ASSOCIATES, INC.  
This document and the subject matter contained therein is proprietary and is not to be used or reproduced without the written permission of DORCHEN/MARTIN ASSOCIATES, INC.  
Do not scale drawings  
Use figured dimensions only



HATCHED AREA INDICATES SLAB AT ICE RINK AREA. BASE PREP AND SLAB INSTALLATION IN THIS AREA IS TO BE BY ICE RINK CONTRACTOR.

architect seal



Issue / revision date	description
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

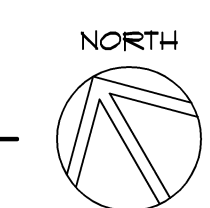
drawn by \_\_\_\_\_ checked by \_\_\_\_\_

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project

Farmers Market  
Foundation Plan  
sheet title

**Dorchen/Martin Associates, Inc.**  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1002  
Fax: (248) 557-1231

1001 Foundation Plan  
A1.1 Scale: 1/8" = 1'-0"

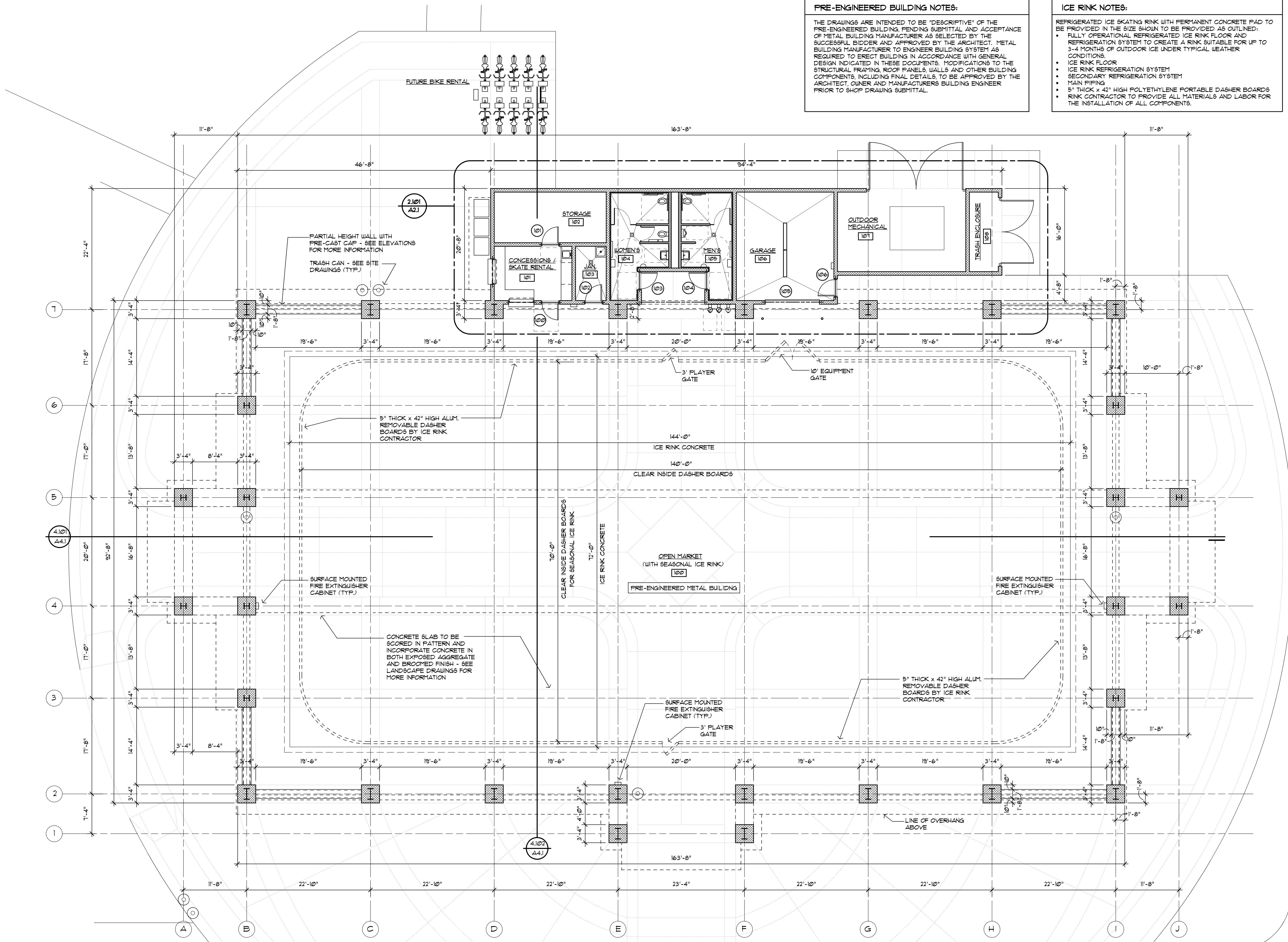


job no. 16078A sheet no. FM-A1.1

**PRE-ENGINEERED BUILDING NOTES:**  
 THE DRAWINGS ARE INTENDED TO BE "DESCRIPTIVE" OF THE PRE-ENGINEERED BUILDING, PENDING SUBMITTAL AND ACCEPTANCE OF METAL BUILDING MANUFACTURER AS SELECTED BY THE SUCCESSFUL BIDDER AND APPROVED BY THE ARCHITECT. METAL BUILDING MANUFACTURER TO ENGINEER BUILDING SYSTEM AS REQUIRED TO ERECT BUILDING IN ACCORDANCE WITH GENERAL DESIGN INDICATED IN THESE DOCUMENTS. MODIFICATIONS TO THE STRUCTURAL FRAMING, ROOF PANELS, WALLS AND OTHER BUILDING COMPONENTS, INCLUDING FINAL DETAILS, TO BE APPROVED BY THE ARCHITECT, OWNER AND MANUFACTURER'S BUILDING ENGINEER PRIOR TO SHOP DRAWING SUBMITTAL.

**ICE RINK NOTES:**  
 REFRIGERATED ICE SKATING RINK WITH PERMANENT CONCRETE PAD TO BE PROVIDED IN THE SIZE SHOWN TO BE PROVIDED AS OUTLINED:  
 • FULLY OPERATIONAL REFRIGERATED ICE RINK FLOOR AND REFRIGERATION SYSTEM TO CREATE A RINK SUITABLE FOR UP TO 3-4 MONTHS OF OUTDOOR ICE UNDER TYPICAL WEATHER CONDITIONS.  
 • ICE RINK FLOOR  
 • ICE RINK REFRIGERATION SYSTEM  
 • SECONDARY REFRIGERATION SYSTEM  
 • MAIN PIPING  
 • 5" THICK x 42" HIGH POLYETHYLENE PORTABLE DASHER BOARDS  
 • RINK CONTRACTOR TO PROVIDE ALL MATERIALS AND LABOR FOR THE INSTALLATION OF ALL COMPONENTS.

architect seal



issue / revision date
3-7-17 Prelim. Review
3-21-17 Prelim. Review
5-9-17 Prelim. Review
5-16-17 Prelim. Review
6-7-17 City Review
6-19-17 Bids

drawn by

checked by

City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan

Farmers Market  
 Floor Plan

project sheet title

**Dorchen/Martin Associates, Inc.**  
 Architects/Planners  
 29895 Greenfield Rd., Suite 107  
 Southfield, Michigan 48076  
 (248) 557-1002  
 Fax: (248) 557-1231

job no. sheet no.  
 16078A FM-A12

1201 Floor Plan  
 A12 Scale: 1/8" = 1'-0"





Issue / revision date

3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

drawn by

checked by

City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan

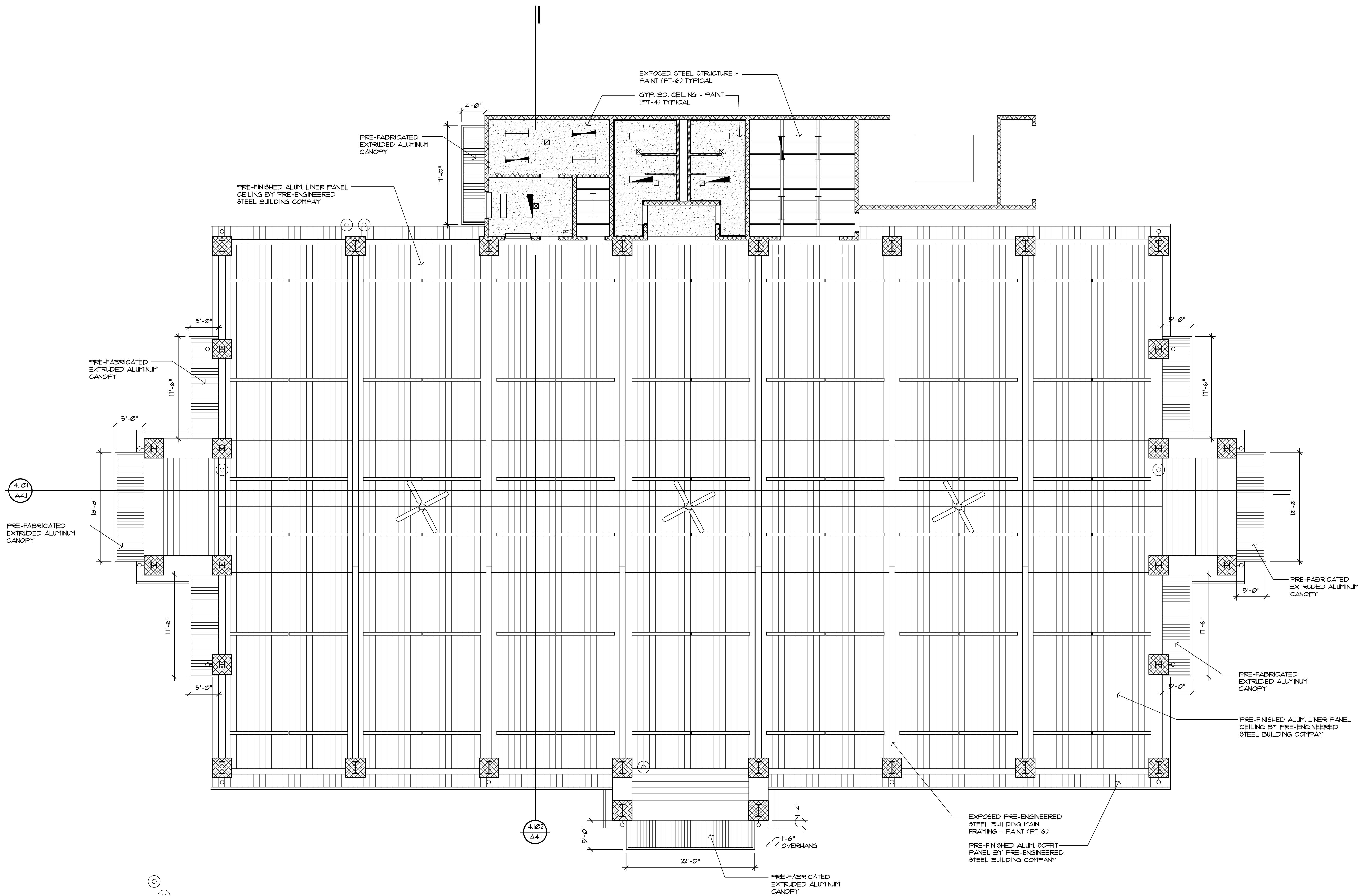
project

Farmers Market  
 Reflected Ceiling Plan

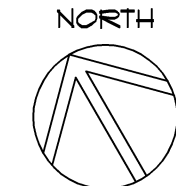
sheet title

**Dorchen/Martin Associates, Inc.**  
 Architects/Planners  
 29895 Greenfield Rd., Suite 107  
 Southfield, Michigan 48076  
 (248) 557-1062  
 Fax: (248) 557-1231

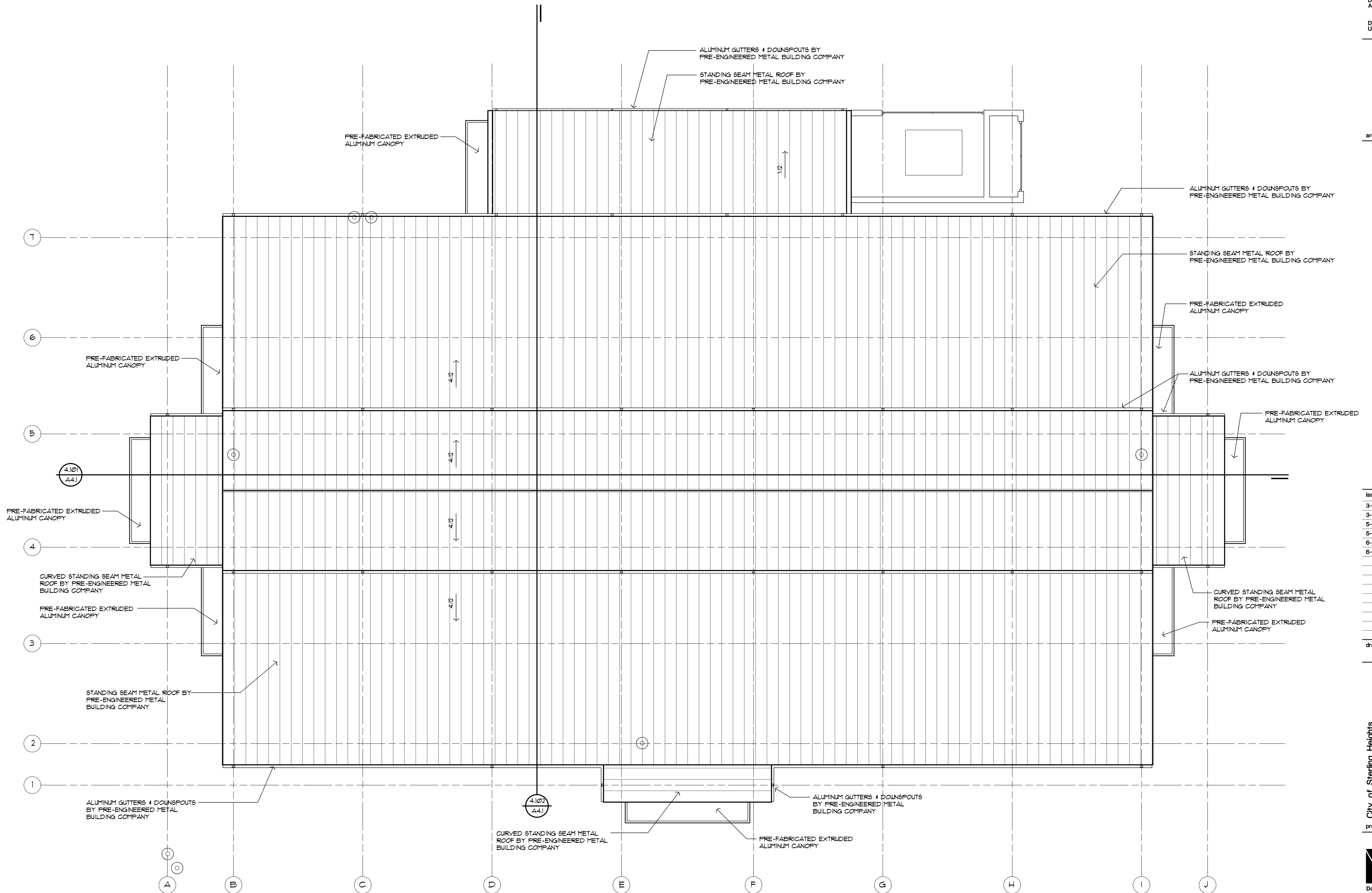
job no. 16078A  
 sheet no. FM-A1.3



**1301** Reflected Ceiling Plan  
**A1.3** Scale: 1/8" = 1'-0"



architect seal



Issue / revision date

3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

drawn by

checked by

City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan

project

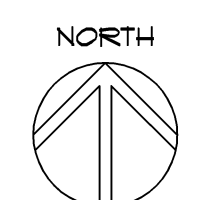
Farmers Market  
 Roof Plan

sheet title

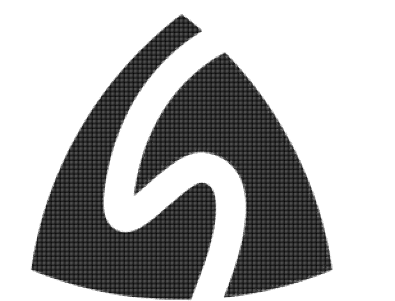
**Dorchen/Martin Associates, Inc.**  
 Architects/Planners  
 2995 Greenfield Rd., Suite 107  
 Southfield, Michigan 48076  
 (248) 557-1062  
 Fax: (248) 557-1231

job no. 16078A  
 sheet no. FM-A1.4

**1.401** Roof Plan  
 A1.4 Scale: 1/8" = 1'-0"







Issue / revision date

3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

drawn by checked by

\_\_\_\_\_

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project

Farmers Market  
Enlarged Floor Plan  
sheet title

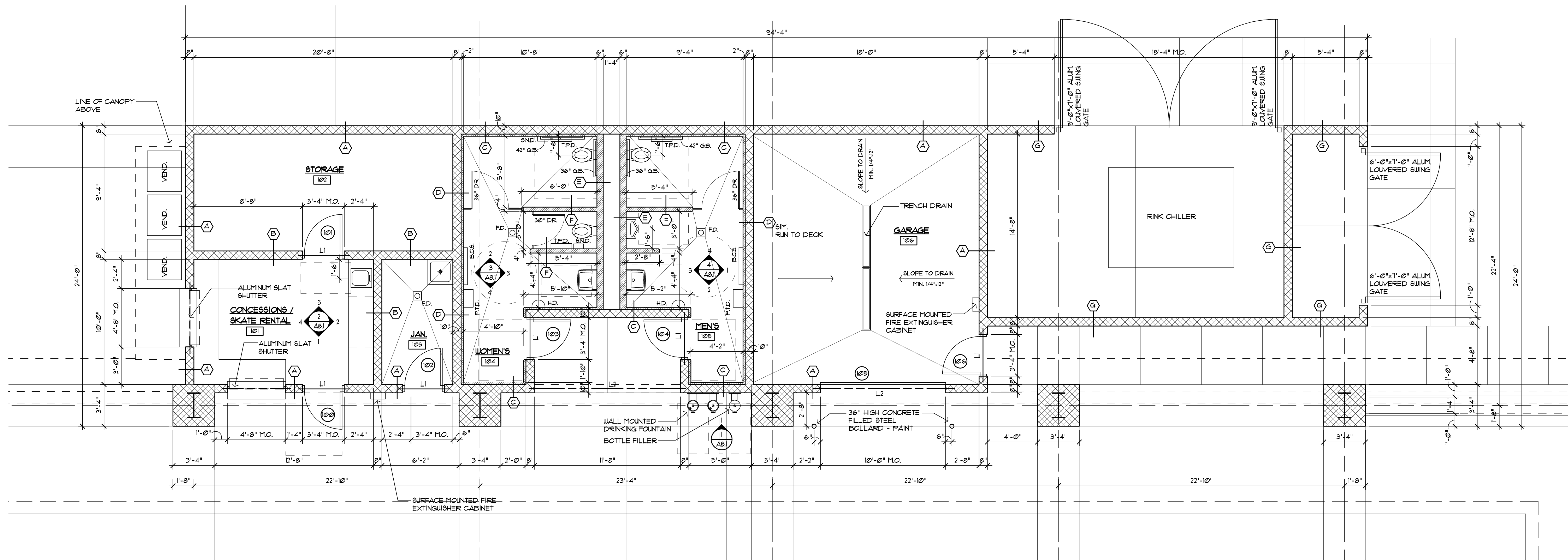
**Dorchen/Martin Associates, Inc.**  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. sheet no.  
**16078A FM-A2.1**

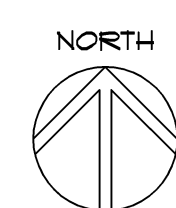
STEEL LINTEL SCHEDULE	
L1	L4x3 1/2 x 5/16 ANGLE
L2	W8x20 + 3/8" FLATE
ALL DOUBLE ANGLE LINTELS SHALL BE WELDED BACK TO BACK WITH A MINIMUM 2 INCH STITCH WELD EVERY 8 INCHES.	
ALL MASONRY BEARING STEEL BEAMS AND LINTELS TO BEAR 8" MINIMUM ON 3 COURSES SOLID MASONRY, WITH 2-3/4" DIAMETER BOLTS EACH END, UNLESS OTHERWISE NOTED.	

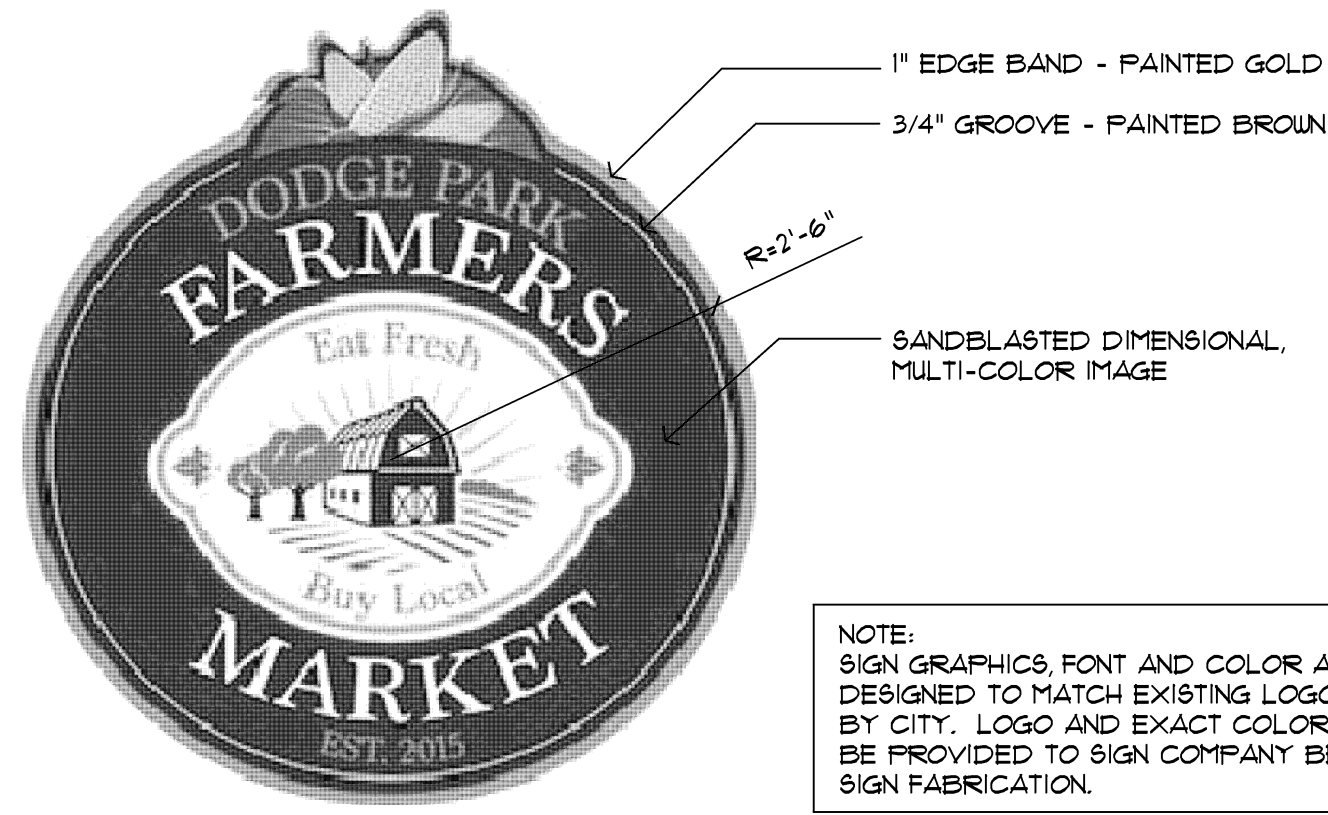
TOILET ROOM FIXTURES LEGEND			
B.F.	BARRIER-FREE	B.C.S.	BABY CHANGING STATION
S.D.	SOAP DISPENSER	W.R.	WASTE RECEPTACLE
T.P.	TOILET PAPER HOLDER	S.N.D.	SANITARY NAPKIN DISPOSAL
W.C.	WATER CLOSET		
H.D.	ELECT. HAND DRYER		

WALL TYPE SCHEDULE	
A	4"x16"x8" CMU FULL HEIGHT EXTERIOR WALL - CONSUMERS CONCRETE "BELLA BRIK" CINCINNATI BLEND W/ CORE FILL INSULATION SEE ELEVATIONS FOR LOCATION OF SPLIT FACE BLOCK ACCENT BAND SEAL EXPOSED INTERIOR SURFACES
B	4"x16"x8" CMU INTERIOR WALL - CONSUMERS CONCRETE "BELLA BRIK" CINCINNATI BLEND - TOP OF WALL AT 8'-0" AFF. SEAL EXPOSED INTERIOR SURFACES
C	4"x16"x8" CMU FULL HEIGHT EXTERIOR WALL - CONSUMERS CONCRETE "BELLA BRIK" CINCINNATI BLEND W/ CORE FILL INSULATION SEE ELEVATIONS FOR LOCATION OF SPLIT FACE BLOCK ACCENT BAND SEAL EXPOSED INTERIOR SURFACES 8"x8"x2" GLAZED CERAMIC TILE (SEE INTERIOR ELEVATIONS FOR COLOR SELECTION) PROVIDE BULLNOSED PIECES AT ALL OUTSIDE CORNERS
D	4"x16"x8" CMU INTERIOR WALL - CONSUMERS CONCRETE "BELLA BRIK" CINCINNATI BLEND - TOP OF WALL AT 8'-0" AFF. SEAL EXPOSED INTERIOR SURFACES 8"x8"x2" GLAZED CERAMIC TILE (SEE INTERIOR ELEVATIONS FOR COLOR SELECTION) PROVIDE BULLNOSED PIECES AT ALL OUTSIDE CORNERS
E	8"x8"x6" GLAZED CERAMIC TILE - INTERIOR FACE GLAZED - TOP OF WALL AT 8'-0" AFF. (SEE INTERIOR ELEVATIONS FOR COLOR SELECTION)
F	8"x8"x4" GLAZED CERAMIC TILE - ALL EXPOSED FACES GLAZED - TOP OF WALL AT 6'-0" AFF. (SEE INTERIOR ELEVATIONS FOR COLOR SELECTION) PROVIDE BULLNOSED PIECES AT ALL OUTSIDE CORNERS AND AT TOP BLOCK
G	4"x16"x8" CMU PARTIAL HEIGHT EXTERIOR WALL - CONSUMERS CONCRETE "BELLA BRIK" CINCINNATI BLEND, TOP OF WALL AT 1'-8" AFF. SEE ELEVATIONS FOR ACCENT BAND OF SPLIT FACE BLOCK



**1** Partial Enlarged Floor Plan  
A2.1 Scale: 1/4" = 1'-0"

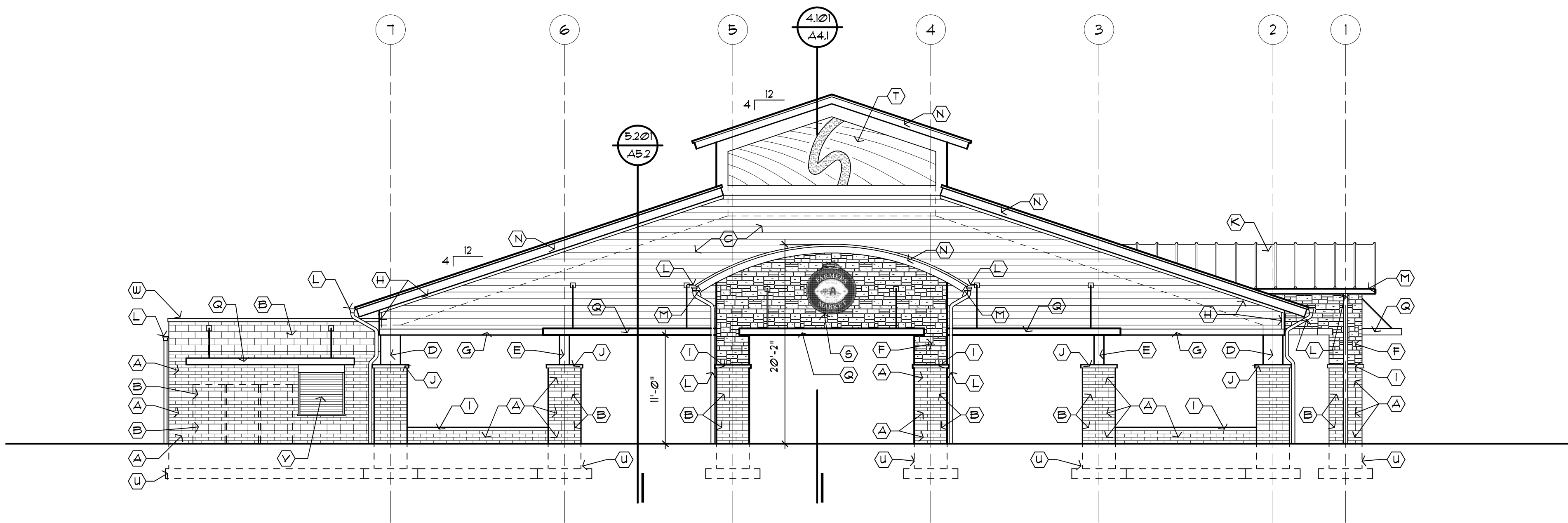




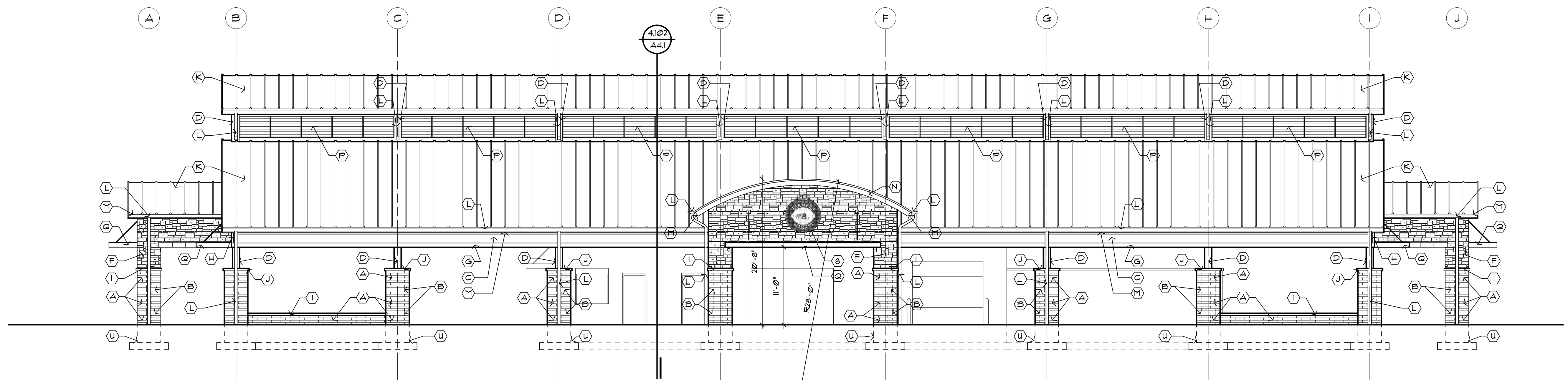
NOTE:  
SIGN GRAPHICS, FONT AND COLOR ARE  
DESIGNED TO MATCH EXISTING LOGO USED  
BY CITY. LOGO AND EXACT COLORS WILL  
BE PROVIDED TO SIGN COMPANY BEFORE  
SIGN FABRICATION.

3.103 Sign Detail  
A3.1 Scale: 3/4" = 1'-0"

ELEVATION NOTES	
(A) 4"x8"x16" CMU - CONSUMER'S CONCRETE "BELLA BRIK" CINCINNATI BLEND	(N) METAL RAKE BY PRE-ENGINEERED STEEL BUILDING MANUFACTURER (COLONIAL RED)
(B) 8"x8"x16" SPLIT FACE CMU ACCENT BAND (MATCH CMU ON EXISTING RESTROOM BUILDING)	(O) PRE-ENGINEERED STEEL BUILDING ENDWALL FRAMING- PAINT (PT-6)
(C) FIBER CEMENT SIDING - WOODTONE "RUSTIC SERIES" WINCHESTER BROWN, 1" EXPOSURE	(P) 3' HIGH STATIONARY STEEL LOUVERS - BAKED ENAMEL FINISH (COLOR T.B.D.)
(D) PRE-ENGINEERED STEEL BUILDING MAIN FRAME COLUMN - PAINT (PT-6)	(Q) PRE-MANUFACTURED EXTRUDED ALUMINUM CANOPY - PRE-FINISHED (COLOR T.B.D.)
(E) PRE-ENGINEERED STEEL BUILDING ENDWALL POST- PAINT (PT-6)	(R) 1'-0" HIGH PRE-FINISHED ALUMINUM LOUVERED SWING GATE
(F) SIMULATED STONE VENEER - "CULTURED STONE" COUNTRY LEDGESTONE - BUCKS COUNTY	(S) "FARMERS MARKET" LOGO SIGN
(G) 5/4x8 SMOOTH FACE FIBER CEMENT TRIM BOARD - PAINT	(T) TRANSLUCENT RFP PANELS W/ CUSTOM ARTWORK IN ALUMINUM CHANNEL FRAME (ARTWORK TO BE DETERMINED)
(H) 5/4x4 SMOOTH FACE FIBER CEMENT TRIM BOARD - PAINT	(U) LINE OF FOUNDATION BELOW
(I) 4" PRECAST SILL	(V) ALUMINUM SECURITY COUNTER GRILLE
(J) 4" PRECAST SLOPED PIER CAP	(W) ALUMINUM COPING ON TOP OF WALL (COLOR T.B.D.)
(K) STANDING BEAM METAL ROOFING BY PRE-ENGINEERED STEEL BUILDING MANUFACTURER (COLONIAL RED)	
(L) ALUMINUM GUTTERS AND DOWNSPOUTS BY PRE-ENGINEERED STEEL BUILDING MANUFACTURER (COLOR T.B.D.)	
(M) METAL FASCIA BY PRE-ENGINEERED STEEL BUILDING MANUFACTURER (COLONIAL RED)	



3.102 West Elevation  
A3.1 Scale: 1/8" = 1'-0"



3.101 South Elevation  
A3.1 Scale: 1/8" = 1'-0"

Copyright © 2016  
DORCHEN/MARTIN ASSOCIATES, INC.  
This document and the subject matter contained therein is proprietary and is not to be used or reproduced without the written permission of DORCHEN/MARTIN ASSOCIATES, INC.  
Do not scale drawings  
Use figured dimensions only

architect seal



Issue / revision date
3-7-17 Prelim. Review
3-21-17 Prelim. Review
5-9-17 Prelim. Review
5-16-17 Prelim. Review
6-7-17 City Review
6-19-17 Bids

drawn by checked by

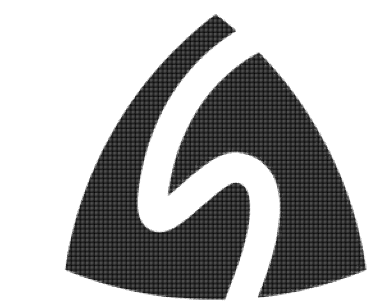
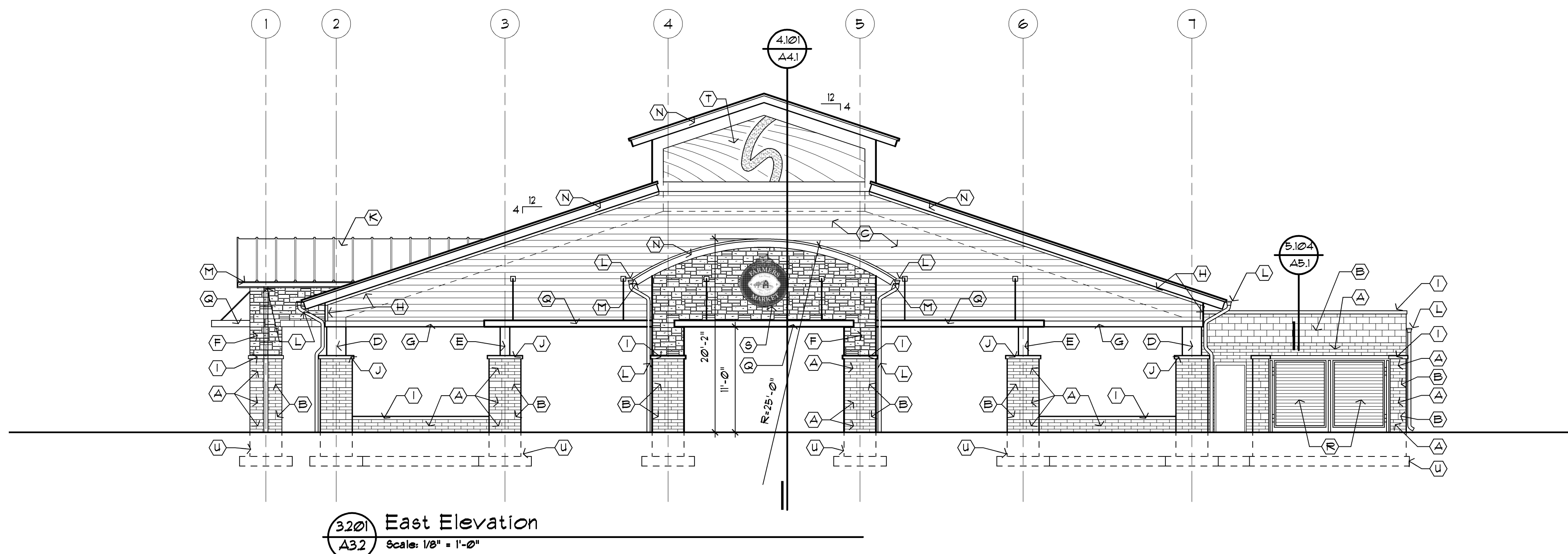
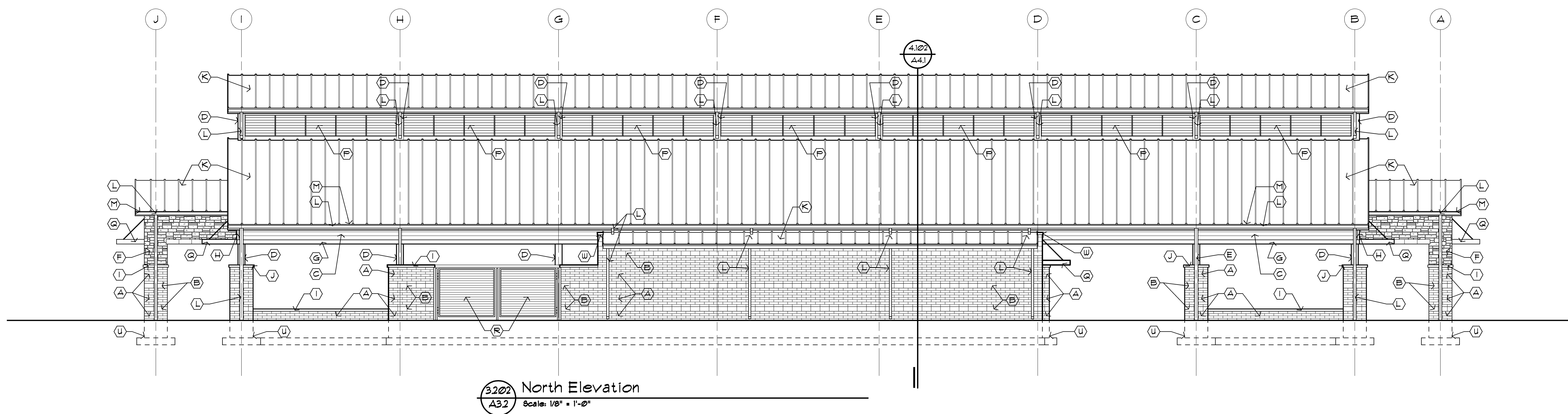
City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project  
Farmers Market  
Building Elevations  
sheet title

Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. sheet no.  
16078A FM-A3.1

ELEVATION NOTES

- (A) 4"x8"x16" CMU - CONSUMER'S CONCRETE "BELLA BRIK" CINCINNATI BLEND
- (B) 8"x8"x16" SPLIT FACE CMU ACCENT BAND (MATCH CMU ON EXISTING RESTROOM BUILDING)
- (C) FIBER CEMENT SIDING - WOODTONE "RUSTIC SERIES" WINCHESTER BROWN, 1" EXPOSURE
- (D) PRE-ENGINEERED STEEL BUILDING MAIN FRAME COLUMN - PAINT (PT-6)
- (E) PRE-ENGINEERED STEEL BUILDING ENDWALL POST- PAINT (PT-6)
- (F) SIMULATED STONE VENEER - "CULTURED STONE" COUNTRY LEDGESTONE - BUCKS COUNTY
- (G) 5/4x8 SMOOTH FACE FIBER CEMENT TRIM BOARD - PAINT
- (H) 5/4x4 SMOOTH FACE FIBER CEMENT TRIM BOARD - PAINT
- (I) 4" PRECAST SILL
- (J) 4" PRECAST SLOPED PIER CAP
- (K) STANDING BEAM METAL ROOFING BY PRE-ENGINEERED STEEL BUILDING MANUFACTURER (COLONIAL RED)
- (L) ALUMINUM GUTTERS AND DOWNSPOUTS BY PRE-ENGINEERED STEEL BUILDING MANUFACTURER (COLOR T.B.D.)
- (M) METAL FASCIA BY PRE-ENGINEERED STEEL BUILDING MANUFACTURER (COLONIAL RED)
- (N) METAL RAKE BY PRE-ENGINEERED STEEL BUILDING MANUFACTURER (COLONIAL RED)
- (O) PRE-ENGINEERED STEEL BUILDING ENDWALL FRAMING- PAINT (PT-6)
- (P) 3' HIGH STATIONARY STEEL LOUVERS - BAKED ENAMEL FINISH (COLOR T.B.D.)
- (Q) PRE-MANUFACTURED EXTRUDED ALUMINUM CANOPY - PRE-FINISHED (COLOR T.B.D.)
- (R) 1'-0" HIGH PRE-FINISHED ALUMINUM LOUVERED SWING GATE
- (S) "FARMERS MARKET" LOGO SIGN
- (T) TRANSLUCENT RFP PANELS W/ CUSTOM ARTWORK IN ALUMINUM CHANNEL FRAME (ARTWORK TO BE DETERMINED)
- (U) LINE OF FOUNDATION BELOW
- (V) ALUMINUM SECURITY COUNTER GRILLE
- (W) ALUMINUM COPING ON TOP OF WALL (COLOR T.B.D.)



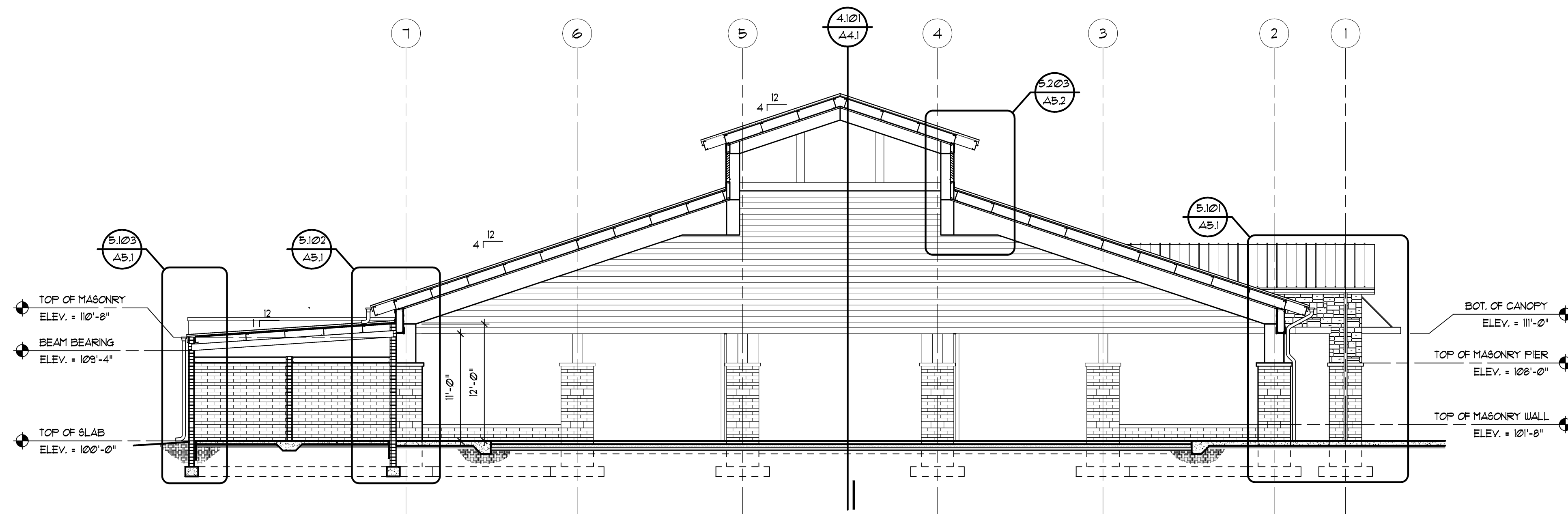
Issue / revision date
3-7-17 Prelim. Review
3-21-17 Prelim. Review
5-9-17 Prelim. Review
5-16-17 Prelim. Review
6-7-17 City Review
6-19-17 Bids

drawn by checked by

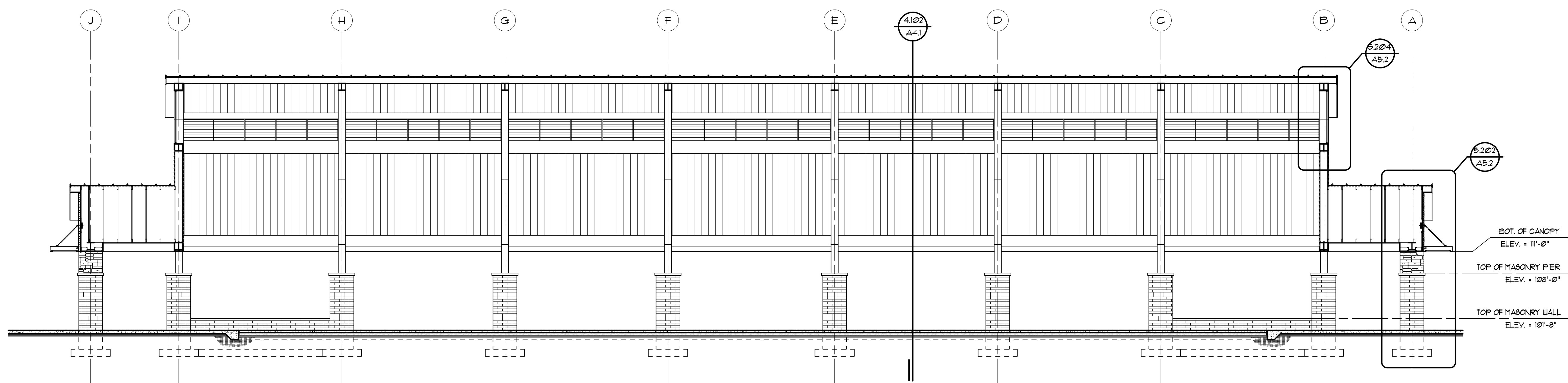
City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan  
 project  
 Farmers Market  
 Building Elevations  
 sheet title

**Dorchen/Martin Associates, Inc.**  
 Architects/Planners  
 29895 Greenfield Rd., Suite 107  
 Southfield, Michigan 48076  
 (248) 557-1062  
 Fax: (248) 557-1231

job no. sheet no.  
**16078A FM-A3.2**



4.102 Building Section  
All Scale: 1/8" = 1'-0"



4.101 Building Section  
All Scale: 1/8" = 1'-0"

Issue / revision date

3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

drawn by checked by

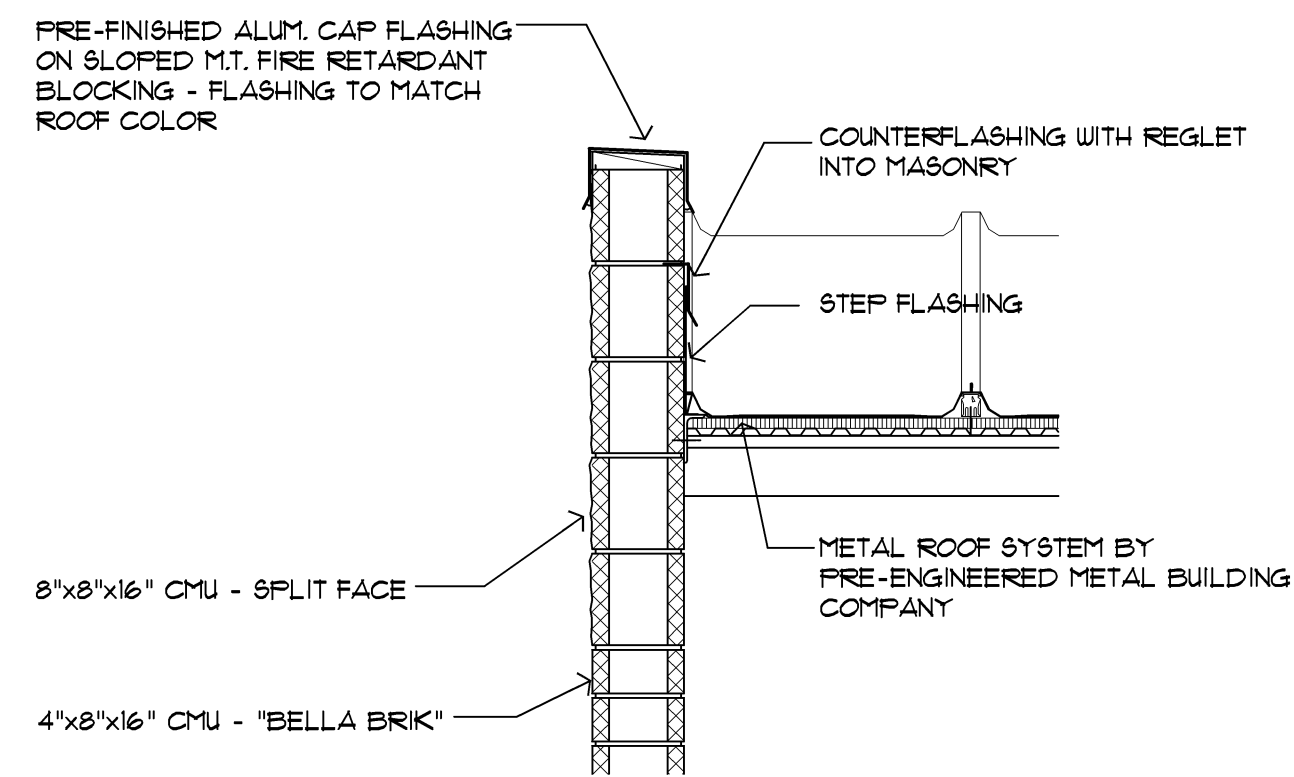
City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project  
Farmers Market  
Building Sections  
sheet title

Dorchen/Martin Associates, Inc.  
Architects/Planners  
2985 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

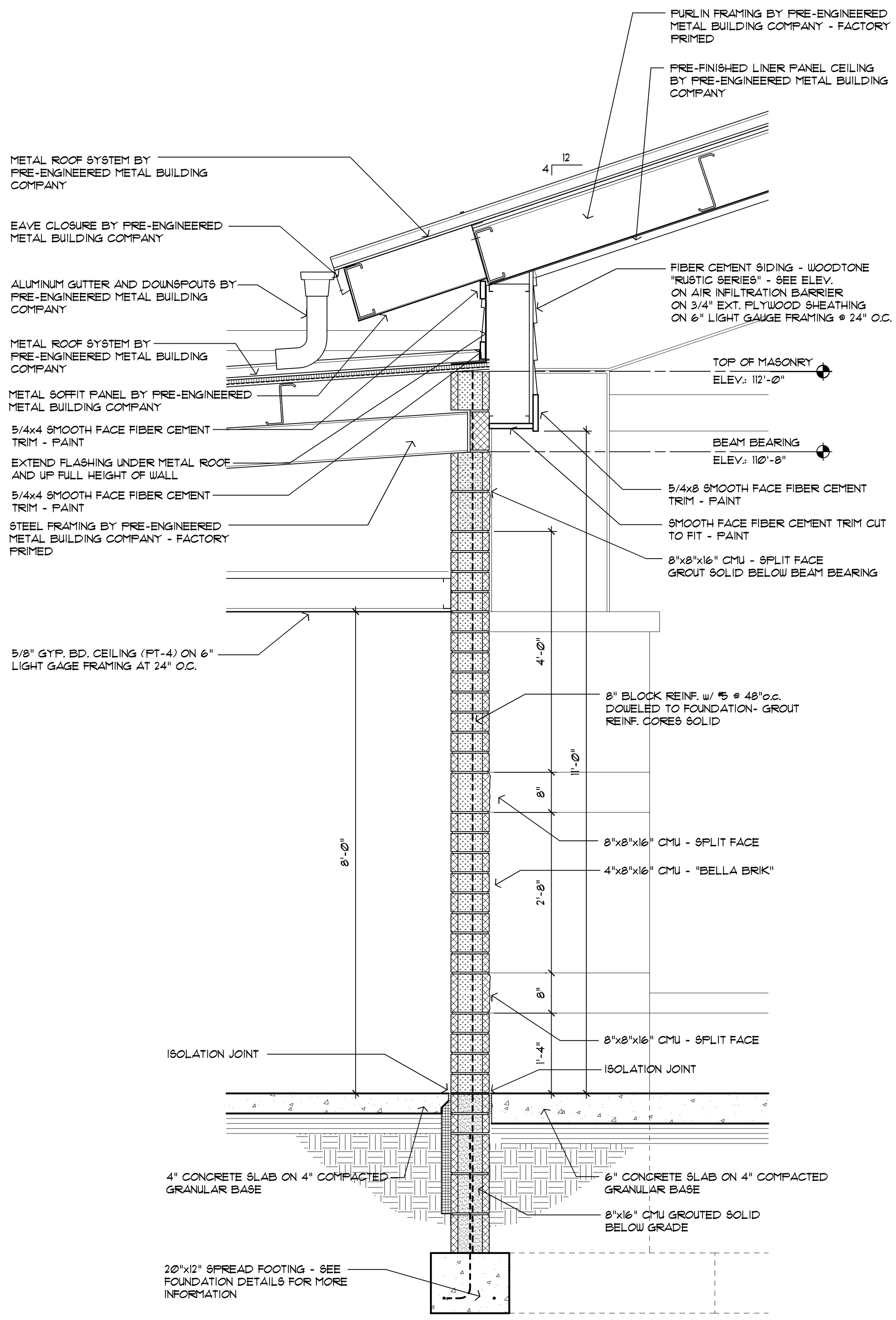
job no. sheet no.

16078A FM-A4.1

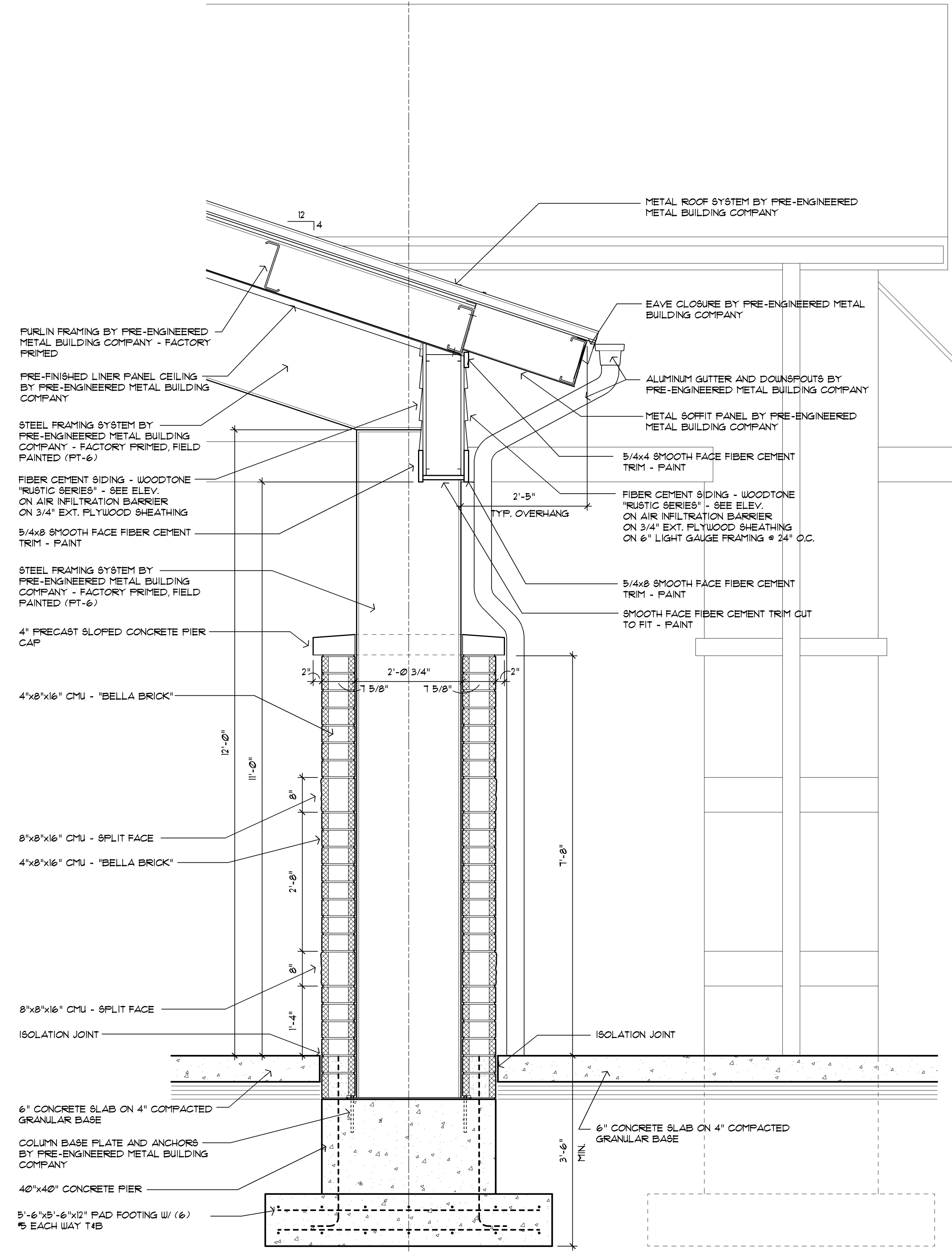




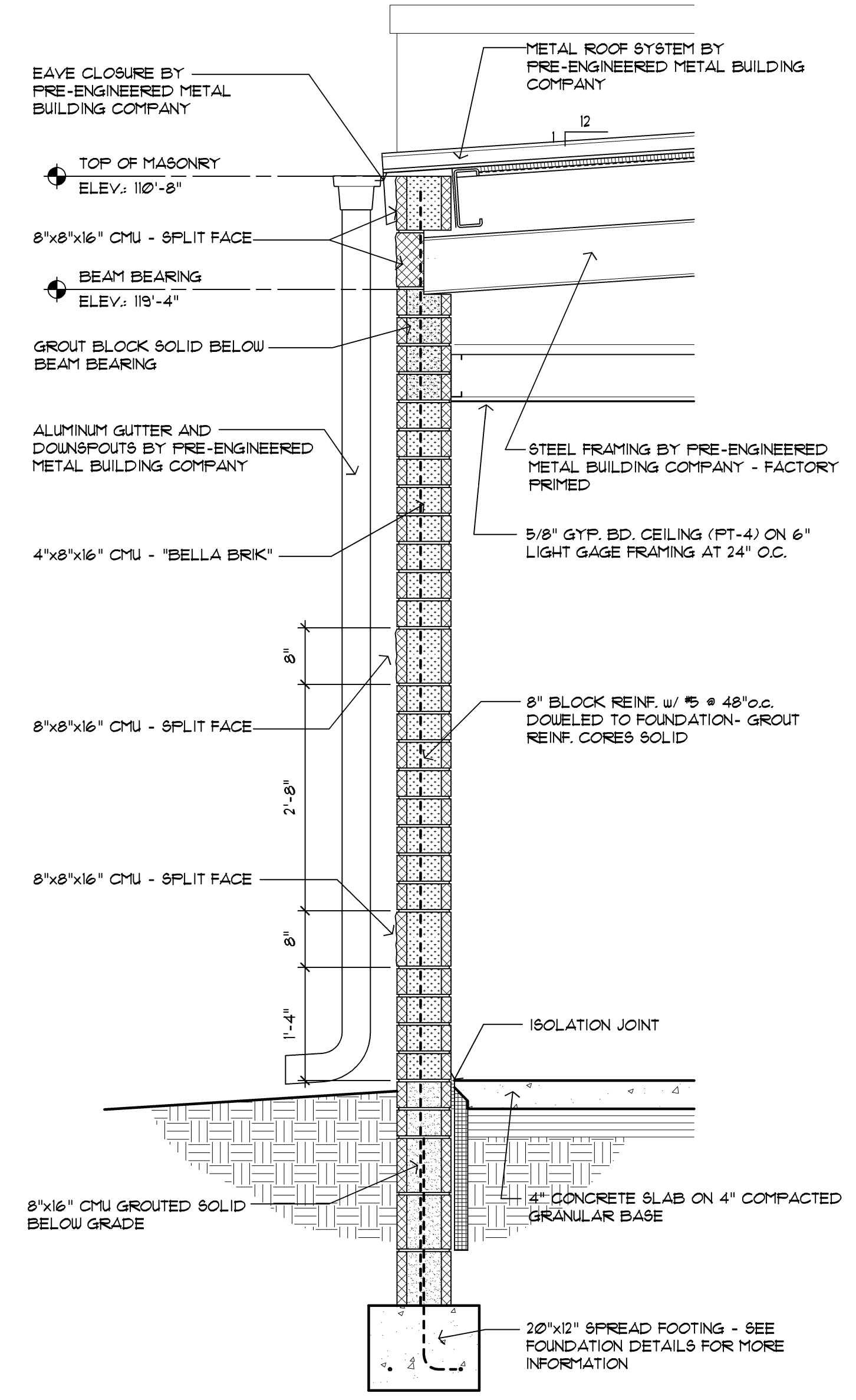
**5.104** Wall Section  
**A4.1** Scale: 3/4" = 1'-0"



**5.102** Wall Section  
**A4.1** Scale: 3/4" = 1'-0"



**5.101** Section at Masonry Pier  
**A4.1** Scale: 3/4" = 1'-0"



**5.103** Wall Section  
**A4.1** Scale: 3/4" = 1'-0"

architect seal



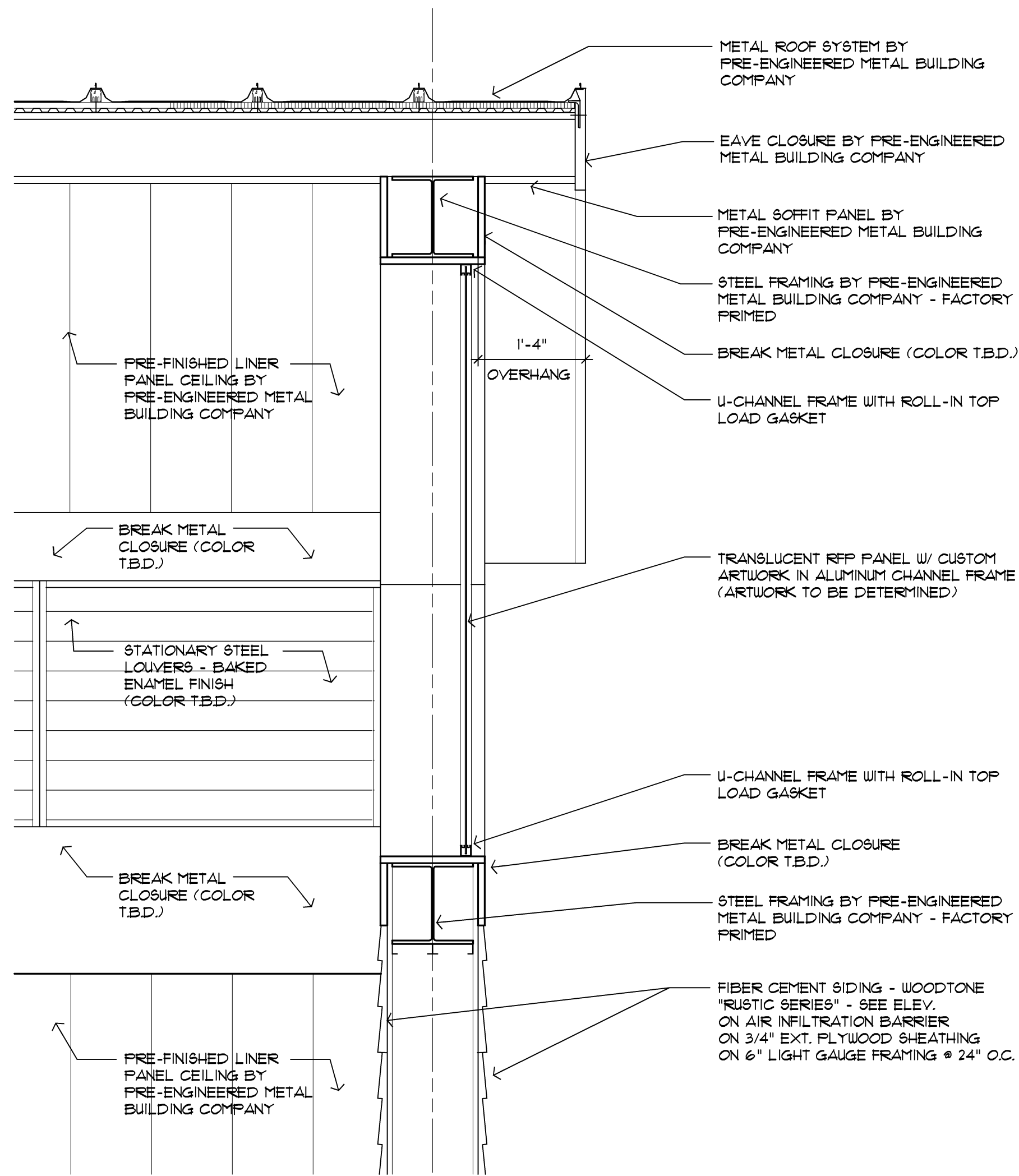
Issue / revision date
3-7-17 Prelim. Review
3-21-17 Prelim. Review
5-9-17 Prelim. Review
5-16-17 Prelim. Review
6-7-17 City Review
6-19-17 Bids

drawn by \_\_\_\_\_ checked by \_\_\_\_\_

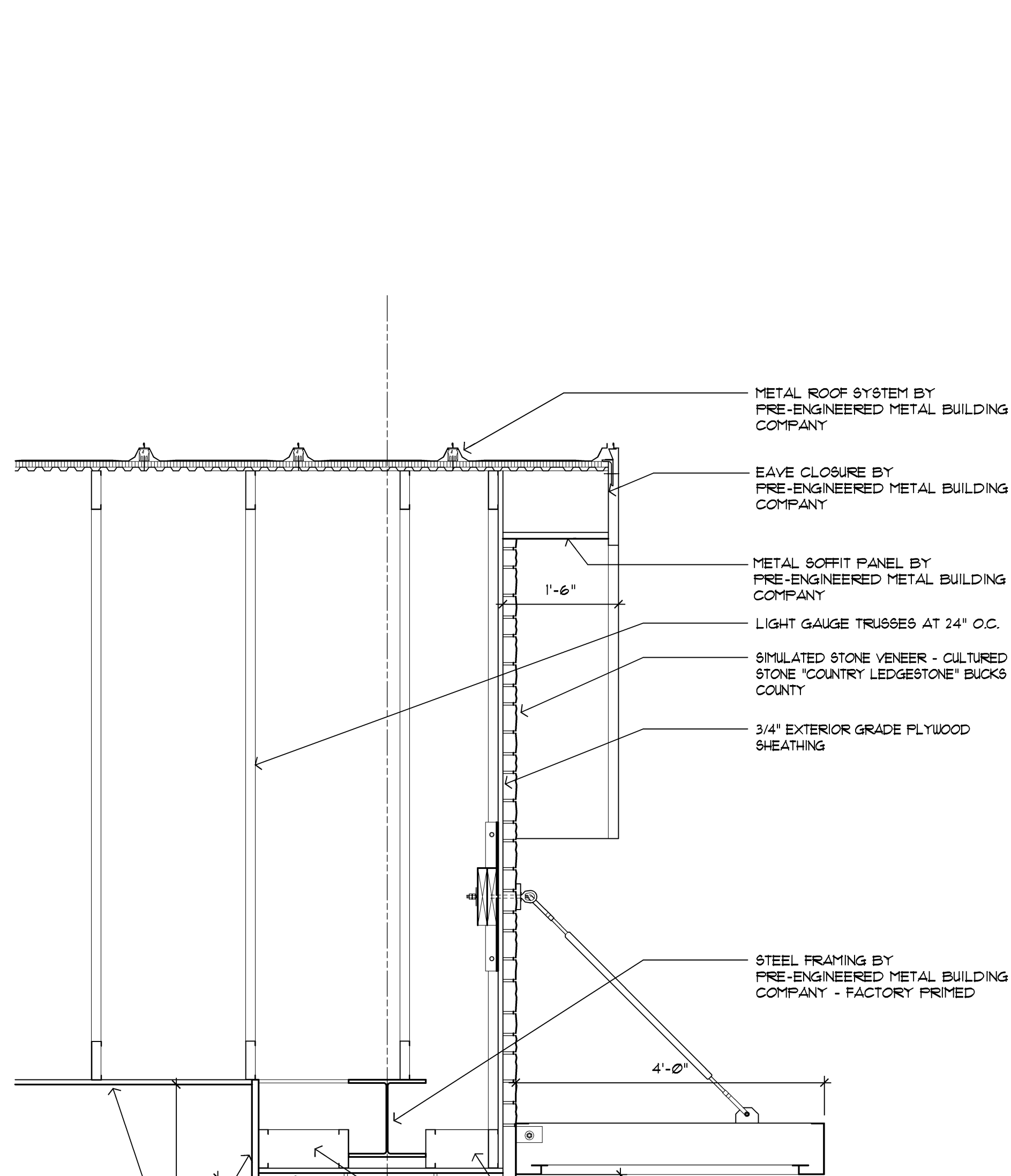
City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan  
 Farmers Market Wall Sections  
 project sheet title

Dorchen/Martin Associates, Inc.  
 Architects/Planners  
 29895 Greenfield Rd., Suite 107  
 Southfield, Michigan 48076  
 (248) 557-1062  
 Fax: (248) 557-1231

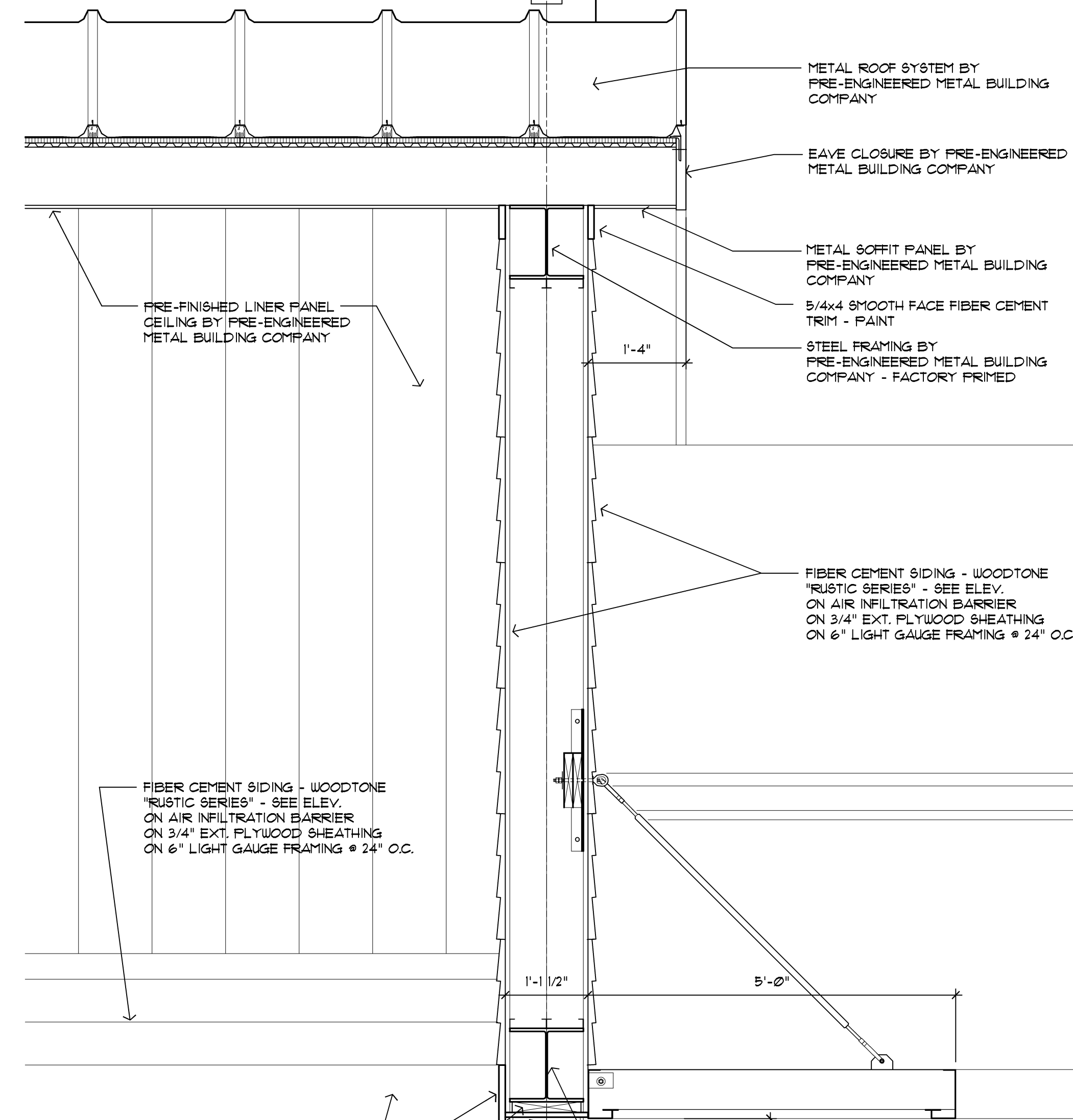
job no. 16078A sheet no. FM-A5.1



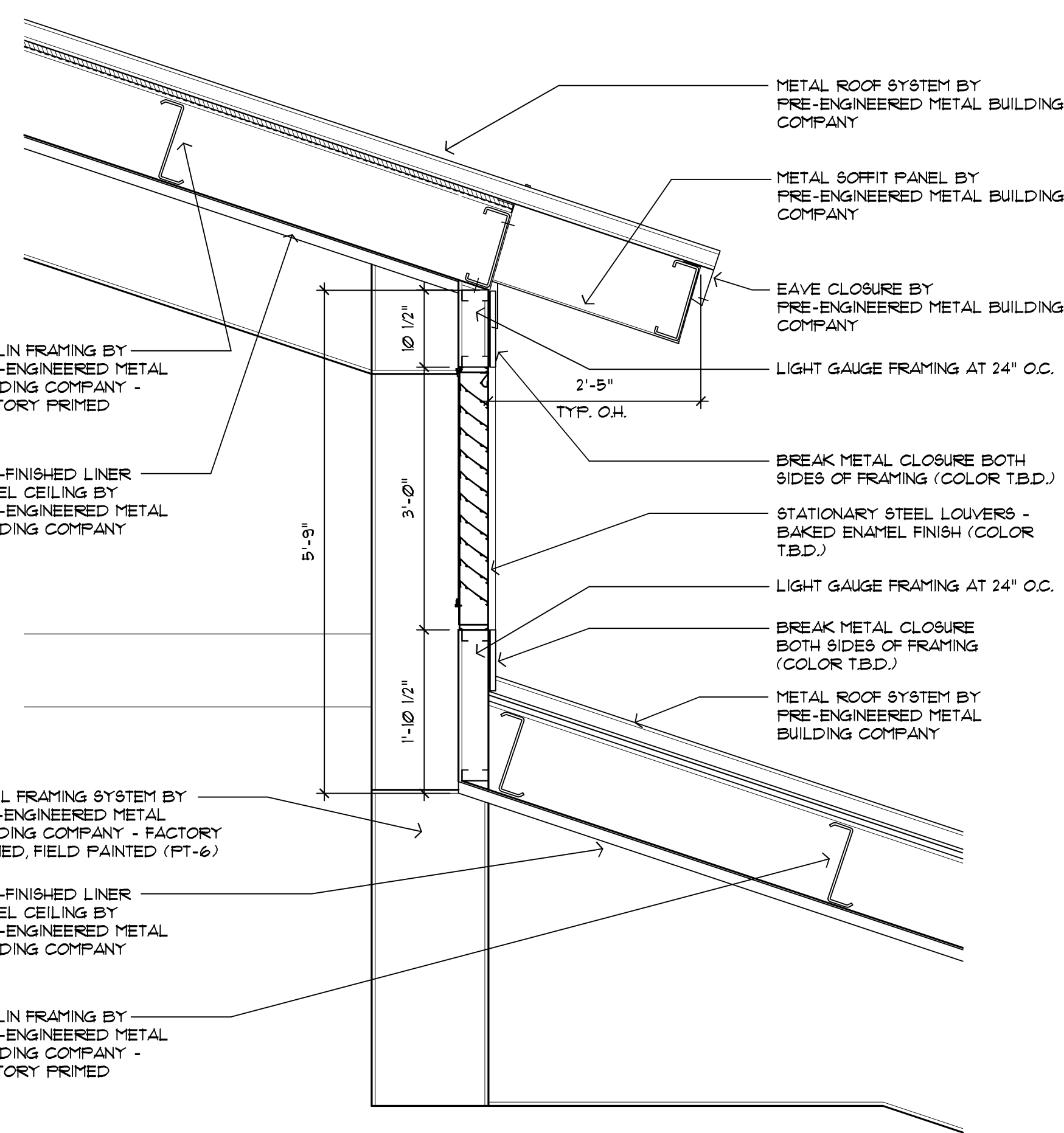
5204 Clerestory Section  
A4.1 Scale: 3/4" = 1'-0"



5202 Wall Section  
A4.1 Scale: 3/4" = 1'-0"



5201 Wall Section  
A3.1 Scale: 3/4" = 1'-0"



5203 Clerestory Louvers Section  
A4.1 Scale: 3/4" = 1'-0"

Copyright © 2016  
DORCHEN/MARTIN ASSOCIATES, INC.  
This document and the subject matter contained therein is proprietary and is not to be used or reproduced without the written permission of DORCHEN/MARTIN ASSOCIATES, INC.  
Do not scale drawings  
Use figured dimensions only

architect seal

Issue / revision date
3-7-17 Prelim. Review
3-21-17 Prelim. Review
5-9-17 Prelim. Review
5-16-17 Prelim. Review
6-7-17 City Review
6-19-17 Bids

drawn by checked by

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
Farmers Market  
Wall Sections  
project sheet title

Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. sheet no.  
16078A FM-A5.2

ROOM FINISH SCHEDULE											
ROOM NO.	ROOM NAME	FLOOR	BASE	CEILING			WALLS				REMARKS
				MTL.	HGT.	FINISH	N	E	S	W	
100	OPEN MARKET	CONC.	-	E.C. / L.P.	VARIES	FT. (PT-6) / PRE-FIN.	MAS.	MAS.	MAS.	MAS.	
101	CONCESSIONS / SKATE RENTAL	CONC.	-	GYP. BD.	8'-0"	FT. - 4	MAS.	MAS.	MAS.	MAS.	
102	STORAGE	CONC.	-	GYP. BD.	8'-0"	FT. - 4	MAS.	MAS.	MAS.	MAS.	
103	JANITOR	CONC.	-	E.C.	-	FT. - 6	MAS.	MAS.	MAS.	MAS.	
104	WOMEN'S RESTROOM	RT. - 1	G.C.T.	GYP. BD.	8'-0"	FT. - 4	G.C.T.	G.C.T.	G.C.T.	G.C.T.	SEE INTERIOR ELEVATIONS
105	MEN'S RESTROOM	RT. - 1	G.C.T.	GYP. BD.	8'-0"	FT. - 4	G.C.T.	G.C.T.	G.C.T.	G.C.T.	SEE INTERIOR ELEVATIONS
106	GARAGE	CONC.	-	E.C. / L.P.	VARIES	FT. (PT-6) / PRE-FIN.	MAS.	MAS.	MAS.	MAS.	

DOOR SCHEDULE													
DOOR NO.	DOOR SIZE	DOOR			HWDR. SET	FRAME			DETAILS			LABEL	CODED REMARKS
		TYPE	MAT'L.	FINISH		TYPE	MAT'L.	FINISH	SILL	JAMB	HEAD		
100	3'-0"x7'-0"x1-3/4"	A	HM.	PAINT	13	FI	HM.	PAINT	1.103	1.102	-	-	1, 5, 9, 10, 14
101	3'-0"x7'-0"x1-3/4"	A	HM.	PAINT	14	FI	HM.	PAINT	-	1.102	-	-	1, 9, 11, 15
102	3'-0"x7'-0"x1-3/4"	B	HM.	PAINT	15	FI	HM.	PAINT	1.103	1.102	-	-	1, 5, 9, 10, 12, 13, 14
103	3'-0"x7'-0"x1-3/4"	B	HM.	PAINT	16	FI	HM.	PAINT	-	1.102	-	-	1, 7, 9, 10, 12, 13, 14
104	3'-0"x7'-0"x1-3/4"	B	HM.	PAINT	16	FI	HM.	PAINT	-	1.102	-	-	1, 7, 9, 10, 12, 13, 14
105	10'-0"x10'-0" O.H.	-	STL.	PRE-FIN	-	-	-	PAINT	-	1.101	-	-	14
106	3'-0"x7'-0"x1-3/4"	A	HM.	PAINT	15	FI	HM.	PAINT	1.103	1.102	-	-	1, 5, 9, 11, 14

**MATERIAL KEY**

- ACT = ACOUSTIC CEILING TILE
- ACC = ACOUSTIC CEILING CANOPY
- AL/GL. = ALUMINUM & GLASS
- CAB. = CABINETRY
- CONC. = CONCRETE
- CPT. = CARPET
- C.T. = CERAMIC TILE
- C.T.B. = CERAMIC TILE BASE
- E.C. = EXPOSED CONSTRUCTION
- EPNT. = EPOXY PAINT
- FUC. = FABRIC WALL COVERING
- G.B. = GYPSUM BOARD
- G.C.T. = GLAZED CERAMIC TILE / BLOCK
- L.P. = ALUMINUM LINER PANEL
- MAS. = MASONRY
- FFKD. = PRE-FIN. METAL KNOCK DOWN FRAME
- P. LAM. = PLASTIC LAMINATE
- PT. = PAINT
- PRE-FIN. = PRE-FINISHED
- RB. = RUBBER BASE
- RT. = RUBBER TILE
- UD. = STAINED WOOD
- V.B. = VINYL BASE
- VCT. = VINYL COMPOSITION TILE
- VSF. = VINYL SHEET FLOORING
- VWC. = VINYL WALL COVERING
- WP. = WALL PROTECTION

**GENERAL REMARKS**

1. FLOOR MATERIAL CHANGES OCCUR AT CENTERLINE OF DOOR
2. ACCESS PANELS, ELECTRICAL PANELS, HVAC REGISTERS & FIRE EXTINGUISHER CABINETS SHALL BE PRE-FINISHED OR PAINTED TO MATCH ADJACENT WALLS OR CEILINGS.
3. ALL DOOR & WINDOW FRAMES TO RECEIVE A CONTINUOUS BEAD OF SEALANT AT ALL PERIMETER EDGES.
4. ALL EXPOSED STEEL SHALL BE PAINTED.
5. REFER TO REFLECTED CEILING PLANS AND SECTIONS WHERE CEILING HEIGHT VARIES.
6. ALL GYPSUM BOARD SOFFITS SHALL BE PAINTED.

**ABBREVIATIONS**

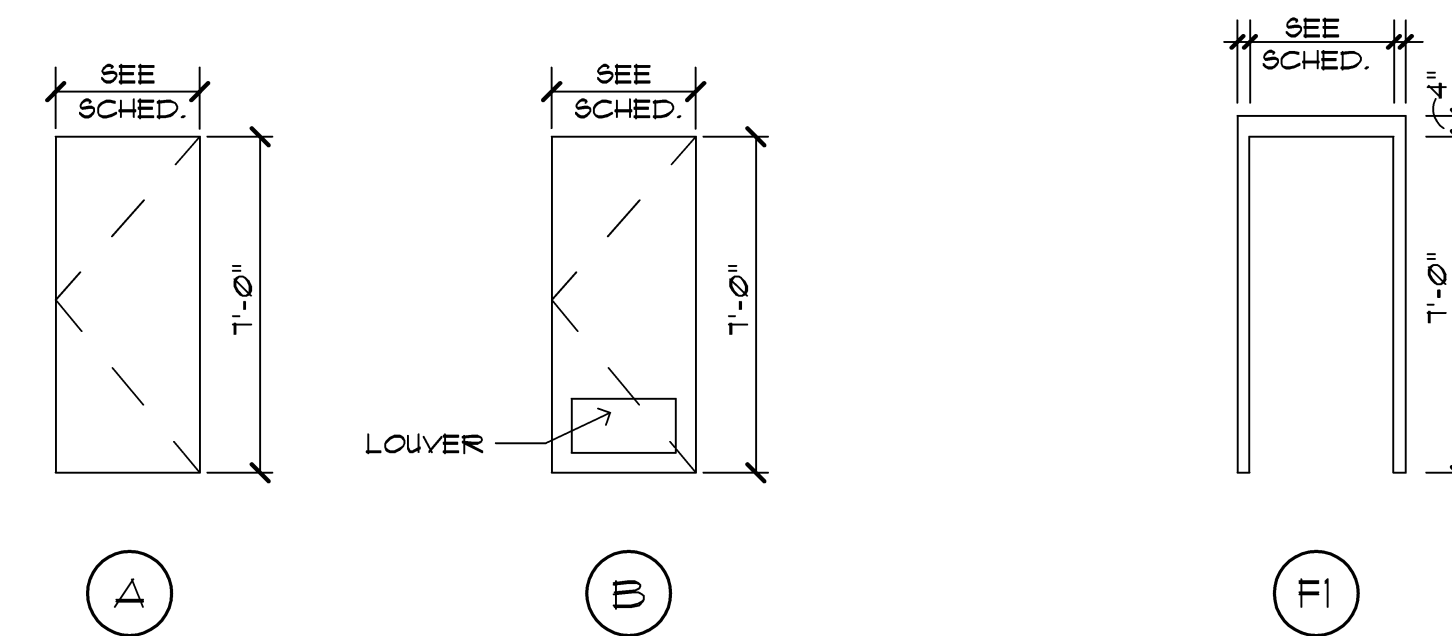
- AL/GL. = ALUMINUM & GLASS
- ALUM. = ALUMINUM
- CANOD. = CLEAR ANODIZED
- BI = BI-FOLD
- HM. = HOLLOW METAL
- HM.KD. = HOLLOW METAL KNOCK DOWN
- GL. = GLASS
- MANF. = BY MANUFACTURER
- O.H. = OVERHEAD DOOR
- FFKD. = PRE-FIN. METAL KNOCK DOWN FRAME
- P. LAM. = PLASTIC LAMINATE
- PRE-FIN. = PRE-FINISHED
- STL. = STEEL
- S.V. = STAIN & VARNISH (FIELD FINISHED)
- UD. = WOOD, SOLID CORE

**CODED REMARKS**

1. CLOSER
2. SAFETY GLASS VISION LITE
3. SAFETY GLASS SIDE LITE
4. VINYL CARPET TO TILE JOINER
5. METAL THRESHOLD
6. MARBLE THRESHOLD
7. VINYL REDUCING STRIP
8. TERRAZZO STRIP
9. GROUT FILLED FRAME
10. LIMIT DOOR TO 90° SWING
11. DOOR TO OPEN 135°
12. PUSH / FULL
13. WALL MOUNTED DOOR STOP
14. WEATHER STRIPPING
15. KICK DOWN DOOR STOP

**GENERAL DOOR & FRAME NOTES**

1. ALL DOOR FRAMES ARE TO RECEIVE CONTINUOUS BEAD OF SEALANT AT PERIMETER - BOTH SIDES.
2. ALL HM. FRAMES SHALL BE GROUT FILLED.
3. ALL HM. DOORS TO BE GALVANIZED, PAINTED

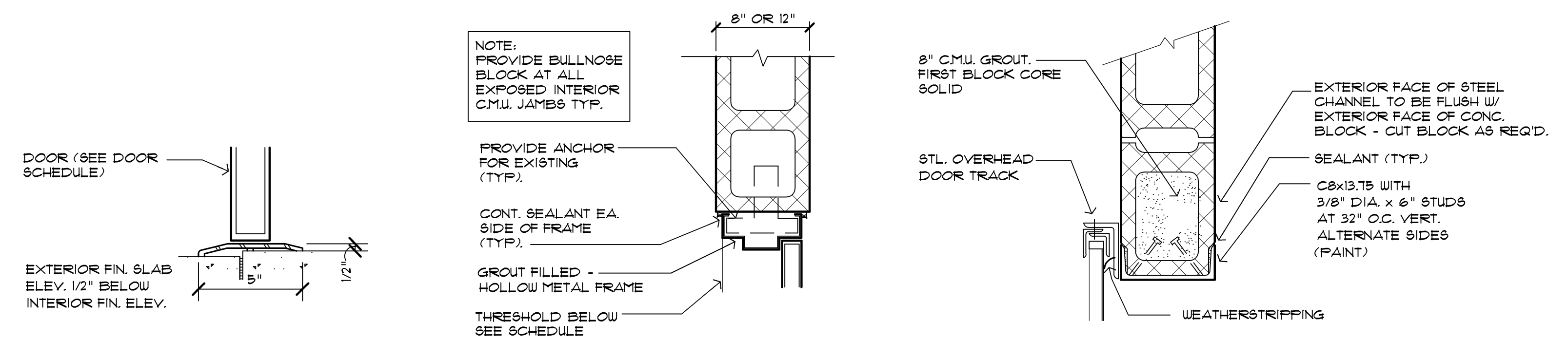


**DOOR TYPES**

NO SCALE

**FRAME TYPES**

NO SCALE



1.103 THRESHOLD DETAIL  
SCALE: 1" = 1'-0"

1.102 JAMB DETAIL  
SCALE: 1 1/2" = 1'-0"

1.101 JAMB DETAIL  
SCALE: 1 1/2" = 1'-0"

Issue / revision date
3-7-17 Prelim. Review
3-21-17 Prelim. Review
5-9-17 Prelim. Review
5-16-17 Prelim. Review
6-7-17 City Review
6-19-17 Bids

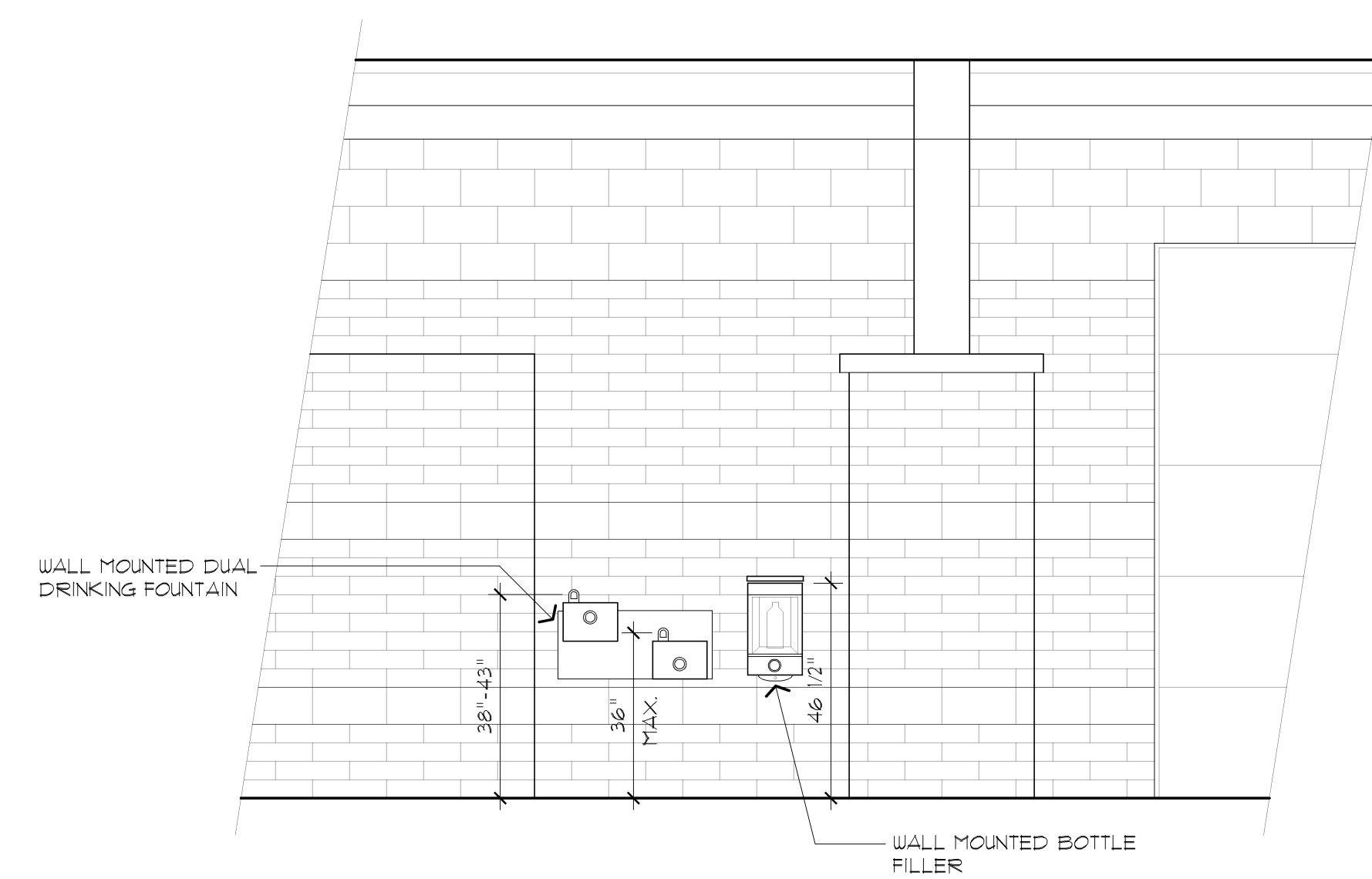
drawn by checked by

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project

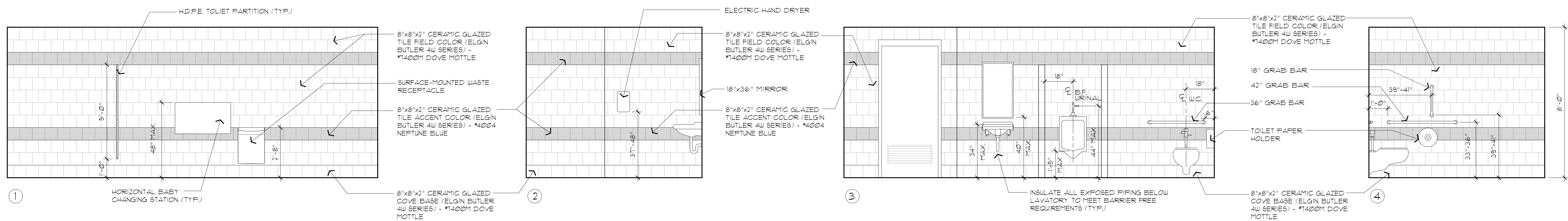
Farmers Market  
Door Schedule & Details  
Room Finish Schedule  
sheet title

Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

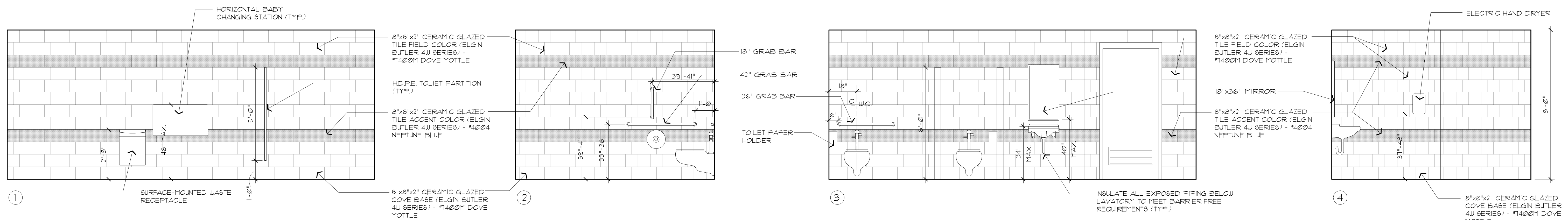
job no. sheet no.  
16078A FM-A7.1



1001 Interior Elevation - Drinking Fountains  
SCALE: 3/8" = 1'-0"



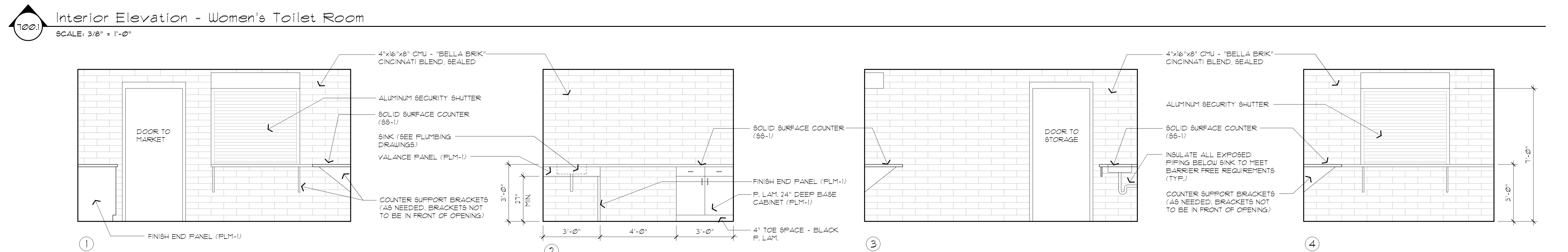
1001 Interior Elevation - Men's Toilet Room  
SCALE: 3/8" = 1'-0"



1001 Interior Elevation - Women's Toilet Room  
SCALE: 3/8" = 1'-0"

issue / revision date
3-7-17 Prelim. Review
3-21-17 Prelim. Review
5-9-17 Prelim. Review
5-16-17 Prelim. Review
6-7-17 City Review
6-19-17 Bids

drawn by checked by



1001 Interior Elevation - Concessions / Skate Rental  
SCALE: 3/8" = 1'-0"

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan

Farmers Market  
Interior Elevations

project sheet title

Dorchon/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. sheet no.  
16078A FM-A8.1





Issue / revision date	Owner Review
5-09-17	Coordination
6-06-17	Coordination
6-16-17	Bids

drawn by **RHM** checked by **JDK**

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan

**FARMERS MARKET PLUMBING NEW WORK PLAN**

project sheet title

**DM**  
Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. **16078A** sheet no. **M3.1**

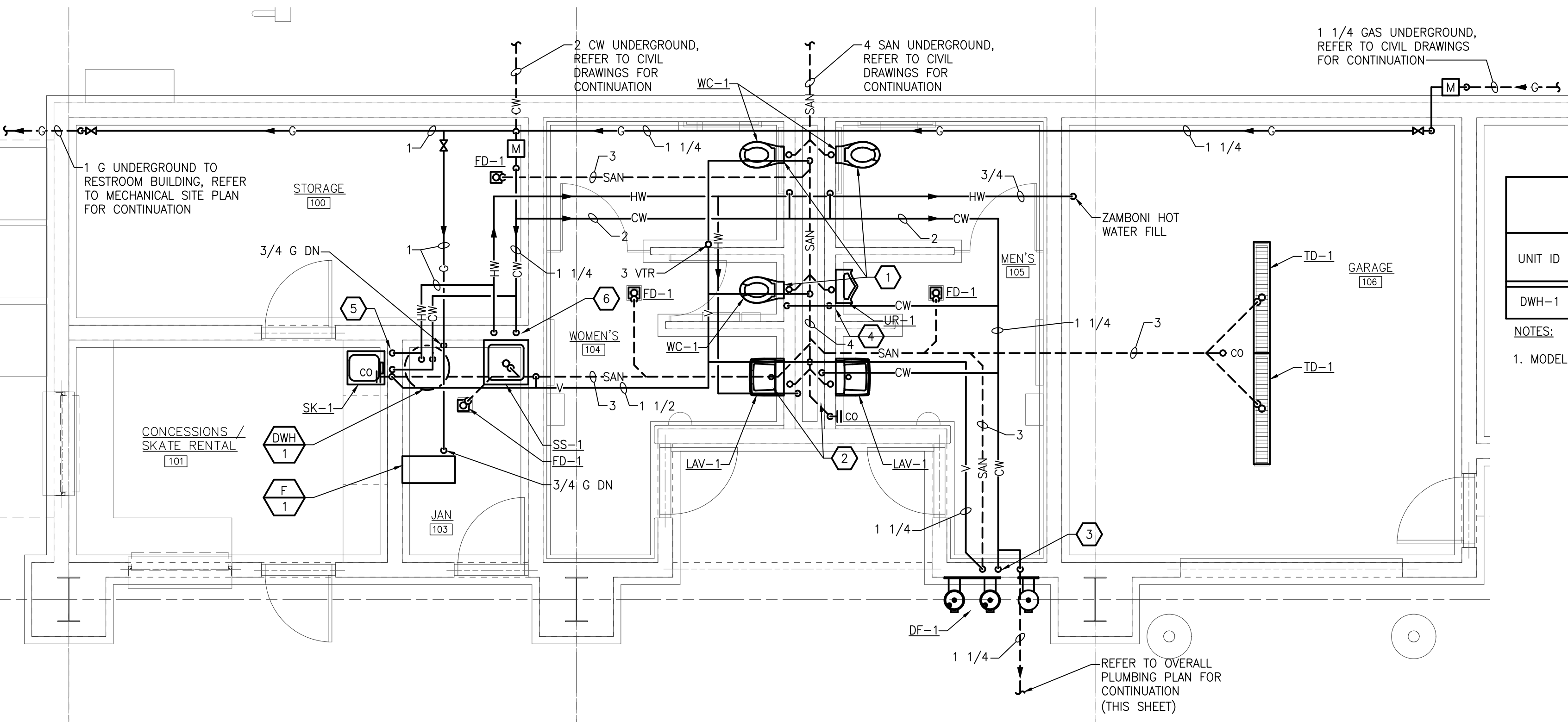
**PLUMBING GENERAL NOTES**

- THESE DRAWINGS ARE DIAGRAMMATIC & INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE PLUMBING SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING REQUIRED COMPONENTS, OFFSETS REQUIRED TO AVOID THE STRUCTURE, ETC.
- REFER TO ARCHITECTURAL PLANS FOR SPECIFICATIONS AND EXACT LOCATIONS OF FIXTURES (STANDARD AND BARRIER FREE), SINKS, ETC. REFER TO FOOD SERVICE PLANS FOR SPECIFICATIONS AND EXACT LOCATIONS OF FOOD SERVICE EQUIPMENT. REFER TO PLUMBING FIXTURE SCHEDULE FOR CONNECTION SIZES, ACCESSORIES, AND ADDITIONAL INFORMATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE STATE AND LOCAL COUNTY DEPARTMENT OF HEALTH CROSS CONTAMINATION CODE REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE THE INSTALLATION OF PLUMBING AND PIPING WITH THE WORK OF ALL OTHER TRADES.
- PIPING SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT/ABOVE OF ELECTRICAL EQUIPMENT. PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
- PIPING SHALL NOT BE INSTALLED IN A LOCATION THAT RESTRICTS THE ACCESS TO MECHANICAL DEVICES REQUIRING ACCESS.
- CONTRACTOR SHALL PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL MECHANICAL SYSTEMS.
- HOT AND COLD WATER PIPING RUN-OUTS TO LAVS AND SINKS SHALL BE 3/4" UNLESS NOTED OTHERWISE. REFER TO SPECIFICATIONS FOR FIXTURE CONNECTION SIZES. PROVIDE BRANCH LINE ISOLATION VALVES ON DOMESTIC PIPING TO EACH GROUP OF FIXTURES AND TOILET ROOMS. PROVIDE FULL OPEN VALVES PER PLUMBING CODE.
- PLUMBING VENT PIPING THRU THE ROOF SHALL BE LOCATED 10'-0" FROM ANY FRESH AIR INTAKE LOCATION AND A MINIMUM OF 18" CLEAR FROM THE INSIDE FACE OF PARAPET.
- PROVIDE CODE REQUIRED CLEARANCE/ACCESS DOORS FOR VALVES/CLEANOUTS LOCATED IN WALLS OR ABOVE HARD CEILINGS, AND LOCATIONS OF CLEANOUTS INSTALLED IN STORM AND SANITARY PIPING. COORDINATE LOCATIONS WITH ARCHITECT. PROVIDE CLEANOUTS AT THE BASE OF ALL STACKS.
- RUN ALL SANITARY PIPING AT 1/8" PER FOOT MINIMUM, UNLESS OTHERWISE NOTED MINIMUM UNDERGROUND PIPE SIZE SHALL BE 3".
- PROVIDE VALVES ON ALL BRANCH PIPING SERVING GROUP TOILET ROOMS. PROVIDE FULL OPEN VALVES AND SHUT OFF VALVES PER PLUMBING CODE.
- PROVIDE "SURESEAL" TRAP SEAL PROTECTION ON ALL FLOOR DRAINS AND TRAPS SUBJECT TO EVAPORATION.
- ALL CORING THRU WALLS, ROOF AND FLOORS SHALL BE BY MECHANICAL CONTRACTOR. COORDINATE LOCATIONS/SIZES OF ALL FLOOR, WALL PENETRATIONS, AND SLEEVES WITH STRUCTURAL/ARCHITECTURAL TRADES AND SEAL PER SPECIFICATIONS.
- PROVIDE A UNIONS, ISOLATION VALVE, TEE AND MIN. 6" LONG DIRT LEG WITH CAP AT EACH GAS SUPPLY CONNECTION.

**DOMESTIC WATER HEATER SCHEDULE**

UNIT ID	STORAGE CAPACITY (GAL)	FUEL TYPE	INPUT RATE (MBH)	OUTPUT RATE (MBH)	RECOVERY (GPH)	VOLT/ PHASE	MODEL NO.	REMARKS
DWH-1	48	NAT. GAS	65	58	63	120/1Ø	LG2PV50H653N	

NOTES:  
1. MODEL NUMBERS ARE BRADFORD WHITE UNLESS OTHERWISE NOTED.



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

**KEYED NOTES**

- 1 ROUTE 4" SANITARY, 2" VENT AND 1 1/4" CW DOWN TO WATER CLOSET.
- 2 ROUTE 1/2" SANITARY, 1 1/4" VENT, 1/2" HOT WATER DOWN TO LAVATORY.
- 3 ROUTE 2" SANITARY, 1 1/2" VENT AND 1/2" COLD WATER DOWN TO DRINKING FOUNTAIN.
- 4 ROUTE 2" SANITARY, 1 1/2" VENT AND 3/4" COLD WATER DOWN TO URINAL.
- 5 ROUTE 1 1/2" SANITARY, 1 1/4" VENT, 1/2" COLD WATER AND 1/2" HOT WATER DOWN TO SINK.
- 6 ROUTE 3" SANITARY, 1 1/2" VENT, 3/4" COLD WATER AND 3/4" HOT WATER DOWN TO SERVICE SINK.

**PLUMBING FIXTURE SCHEDULE**

TAG	BARRIER FREE	ITEM	PIPE CONNECTION SIZES				MANUFACTURER & MODEL NO.	ACCESSORIES
			WASTE	VENT	CW	HW		
FD-1	-	FLOOR DRAIN	3"	1 1/2"	-	-	ZURN: Z-415-B	
DF-1	-	BI-LEVEL DRINKING FOUNTAIN WITH BOTTLE FILLER	2"	1 1/2"	1/2"	-	MOST DEPENDABLE MODEL:485EZW MODEL COLOR BLUE	10105 WM BOTTLE FILLER
LAV-1	Y	WALL MOUNTED LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	AMERICAN STANDARD: LUCERNE	FAUCET: AMERICAN STANDARD: RELIANT 3. DECK MOUNTED SOAP DISPENSER: AMERICAN STANDARD MODEL # 4503.115. PROVIDE ASSE 1070 MIXING VALVE.
SK-1	-	SINGLE COMPARTMENT SINK	2"	1 1/2"	1/2"	1/2"	ELKAY: CELEBRITY, MODEL # BCRA150C	FAUCET: ELKAY, MODEL# LKD208813C.
SS-1	-	SERVICE SINK	3"	1 1/2"	3/4"	3/4"	FIAT: MSB-2424	FAUCET: FIAT # 830-AA W/VACUUM BREAKER, STAINLESS STEEL GRID STRAINER, PAIL HOOK AND HOSE THREAD, HOSE AND MOP HANGERS.
UR-1	Y	WALL MOUNTED URINAL	2"	1 1/2"	3/4"	-	KOHLER: DEXTER. MODEL: K-5016-ET	FLUSH VALVE: KOHLER K-13521, 1.0 GPF
WC-1	Y	WALL MOUNTED WATER CLOSET	4"	2"	1"	-	KOHLER: KINGSTON. MODEL: K-4325	FLUSH VALVE: KOHLER K-13516, 1.6 GPF
TD-1	-	TRENCH DRAIN	3"	-	-	-	ZURN Z890	-

- NOTES:
- SUPPLY ALL FIXTURES WITH LOOSE KEY STOPS.
  - PROVIDE ALL ACCESSORIES NECESSARY FOR COMPLETE AND OPERABLE INSTALLATION.
  - PROVIDE CARRIERS FOR ALL FIXTURES PER MANUFACTURER'S RECOMMENDATIONS.
  - WHERE REQUIRED AND WHERE DESIGNATED, FIXTURES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE TO THE LATEST EDITION OF "THE BARRIER" FREE DESIGN REQUIREMENTS OF THE STATES CONSTRUCTION CODE.
  - REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION/MOUNTING HEIGHT OF ALL FIXTURES.

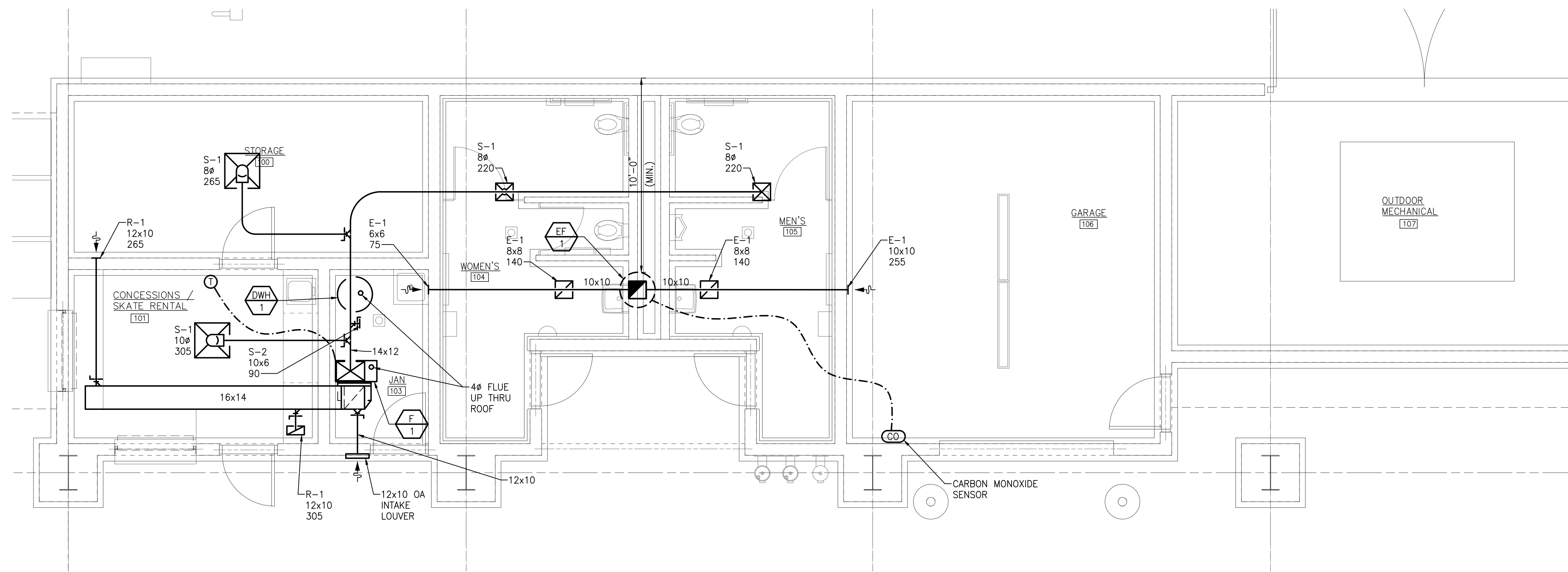


**FARMERS MARKET PLUMBING NETWORK PLAN**  
SCALE: 3/32" = 1'-0"

**MECHANICAL GENERAL NOTES**

1. THESE DRAWINGS ARE DIAGRAMMATIC & INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE PLUMBING AND HVAC SYSTEMS COMPLETE PER SPECIFICATION, SMACNA STANDARDS, AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS, SPECIAL RADIUS OR MITERED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER STRUCTURAL CONDITIONS.
2. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY WORK.
3. DUCTWORK/PIPING SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT. DUCTWORK/PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
4. THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.
5. COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS ETC. WITH ARCHITECTURAL TRADES.
6. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.
7. PIPING/DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT/ABOVE OF ELECTRICAL EQUIPMENT. PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
8. PROVIDE CODE REQUIRED CLEARANCE/ACCESS DOORS FOR DAMPERS, VALVES,
9. FOR EQUIPMENT VALVING, COMPONENT, AND PIPING ARRANGEMENT, REFER TO PIPING DIAGRAMS AND DETAILS.
10. BRANCH DUCTWORK TO GRILLES, REGISTERS AND DIFFUSERS SHALL BE THE SAME SIZE AS THE GRILLE, REGISTER OR DIFFUSER NECK SIZE WHERE NO DUCT SIZE IS INDICATED ON PLAN.
11. MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 5'-0".

architect seal



**FARMERS MARKET SHEET METAL NE OR PLAN**  
SCALE: 1/4" = 1'-0"

EXHAUST FAN SCHEDULE													
UNIT ID	SERVING	TYPE	CFM	ESP (IN WG)	FAN RPM	MOTOR			ELECTRICAL		MODEL NO.	REMARKS	
						BHP	HP	RPM	DRIVE TYPE	VOLTS			PHASE
EF-1	FARMERS MARKET	CENTRIFUGAL	610	0.25	1,300	.07	1/4	1,300	DIRECT	120	1	G-095-VG	

- NOTES:
1. MODEL NUMBERS ARE GREENHECK UNLESS OTHERWISE NOTED.
  2. PROVIDE WITH GRAVITY BACKDRAFT DAMPER.
  3. CONTROL SHALL BE BY MANUAL MOTOR STARTER PROVIDED BY ELECTRICAL TRADES.

FURNACE SCHEDULE														
UNIT ID	SERVICE	SUPPLY CFM	OA CFM	ESP	BLOWER HP	HEATING SECTION			ELECTRICAL			MODEL NO.	REMARKS	
						INPUT (MBH)	OUTPUT (MBH)	EFF AFUE	FLA	FUSE SIZE (AMPS)	VOLTS			PHASE
F-1	CONCESSIONS & RESTROOMS	1,000	300	0.25	1/5	66	54	80%	3.1	15	120	1	ML180UH070	

- NOTES:
1. MODEL NUMBERS ARE LENNOX UNLESS OTHERWISE NOTED.

GRILLE, REGISTER AND DIFFUSER SCHEDULE								
UNIT ID	FACE SIZE	NECK SIZE	MOUNTING	ACCESSORY	FINISH	MATERIAL	MODEL NO.	REMARKS
S-1	24x24	SEE PLANS	NOTE 2	-	WHITE	STEEL	SPD	
S-2	NECK+2"	SEE PLANS	DUCT	-	WHITE	STEEL	520D	
R-1	14x12	22x10	NOTE 2	-	WHITE	STEEL	530	
E-1	NECK+2"	SEE PLANS	NOTE 2	-	WHITE	STEEL	510Z	

- NOTES:
1. MODEL NUMBERS ARE PRICE UNLESS OTHERWISE NOTED.
  2. REFER TO ARCHITECTURAL CEILING PLAN AND COORDINATE FRAME TYPE ACCORDINGLY.



Issue / revision date	checked by
5-09-17	Owner Review
6-06-17	Coordination
6-16-17	Bids

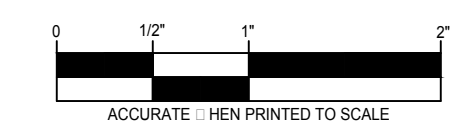
drawn by	checked by
RHM	JKK

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project

FARMERS MARKET  
SHEET METAL NEW  
WORK PLAN  
sheet title

Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no.	sheet no.
16078A	M3.2







Issue / revision date	Owner Review
5-09-17	Owner Review
6-06-17	Coordination
6-16-17	Bids

drawn by	checked by
CEM	PDH

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
**FARMERS MARKET ELECTRICAL NEW WORK PLAN**  
project sheet title

Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

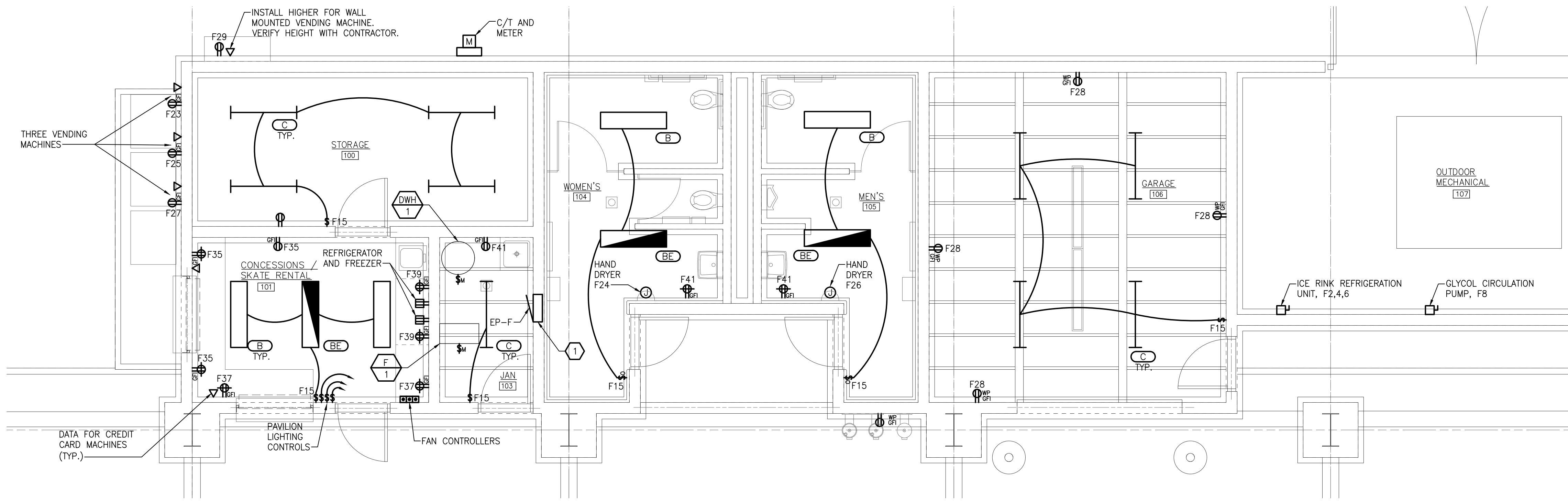
job no.	sheet no.
16078A	E3.1

**ELECTRICAL GENERAL NOTES**

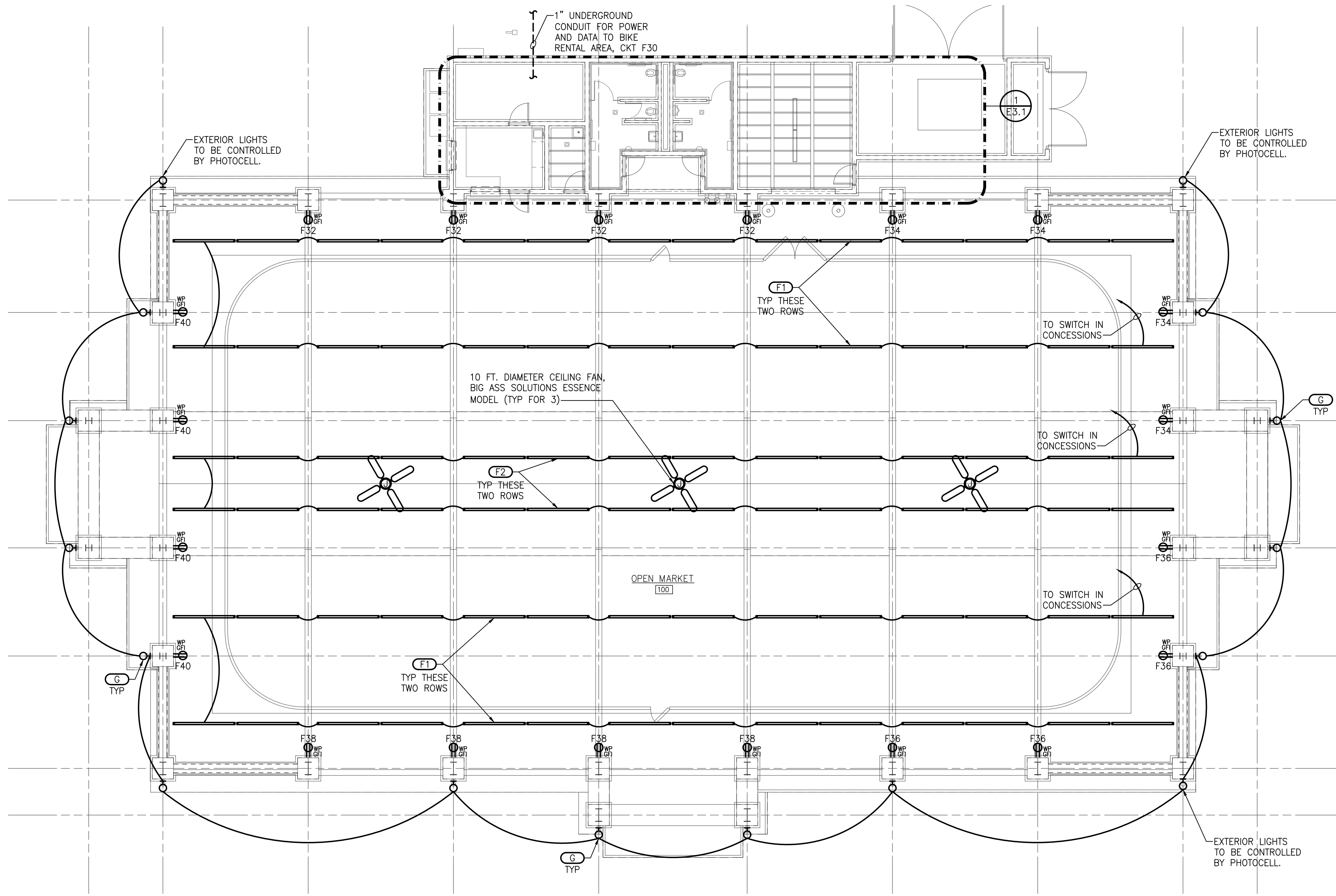
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LIGHTING FIXTURES UNLESS OTHERWISE NOTED.
- SEE LUMINAIRE SCHEDULE ON ELECTRICAL GENERAL INFORMATION SHEET.
- EXIT LIGHTS AND EMERGENCY BATTERY UNITS SHALL BE UNCONTROLLED AND TIED AHEAD OF LOCAL AREA LIGHTING SWITCH, UNLESS CIRCUITED OTHERWISE.
- WHERE MORE THEN ONE LIGHT SWITCH IS INDICATED TO BE INSTALLED AT THE SAME LOCATION, THEY SHALL BE GROUPED UNDER ONE COMMON FACEPLATE.
- ALL ELECTRICAL DEVICES SHOWN ON THIS PLAN SHALL BE NEW UNLESS OTHERWISE NOTED.
- ANY 120 VOLT BRANCH CIRCUIT FEEDER LONGER THAN 75'-0" TO LAST DEVICE SHALL BE SIZED TO THE NEXT LARGER STANDARD AWG SIZE. E.C. SHALL FIELD VERIFY ALL LENGTHS OF FEEDERS.
- ALL RECEPTACLES SHALL BE 20A. RATED.
- ALL DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE.
- ALL RECEPTACLES WITHIN 6'-0" OF SINK OR OTHER WATER SUPPLY SHALL BE GFCI TYPE RECEPTACLE.
- REFER TO ARCHITECTURAL FLOOR PLAN AND ELEVATIONS FOR EXACT LOCATION OF DEVICES.
- ALL JUNCTION BOXES SERVING BRANCH CIRCUIT WIRING SHALL BE LABELED WITH CIRCUITS SERVED.
- ALL 120 VOLT CIRCUITS SHALL UTILIZE A SEPARATE NEUTRAL.
- ALL CONDUITS SERVING 120 VOLTS OR GREATER SHALL INCLUDE A GROUND WIRE.
- ALL CONDUITS SHALL BE ROUTED CONCEALED UNLESS NOTED OTHERWISE.
- ALL ELECTRICAL EQUIPMENT MOUNTED ON THE FLOOR SHALL BE MOUNTED ON A 4" CONCRETE HOUSE KEEPING PAD.
- ALL BRANCH CIRCUIT WIRING SHALL BE 2#12, 1#12GND IN 3/4" CONDUIT, UNLESS NOTED OTHERWISE.

**ELECTED NOTES**

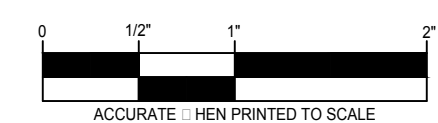
REFER TO SHEET E7.1 FOR PANEL SCHEDULE AND RISER DIAGRAM.



**ELECTRICAL ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"



**FARMERS MARKET ELECTRICAL NETWORK PLAN**  
SCALE: 3/32" = 1'-0"



Drawing: S:\17 0454 01 Sterling Heights Parks & Rec\CAD\Elect\GD02\_FR-EM\_E3.1.dwg  
Date: Jun 16, 2017, 9:22am  
Layout: E3.1  
Plotted by: fph





Issue / revision date
3-7-17 Prelim. Review
3-21-17 Prelim. Review
5-9-17 Prelim. Review
5-16-17 Prelim. Review
6-7-17 City Review
6-19-17 Bids

drawn by \_\_\_\_\_ checked by \_\_\_\_\_

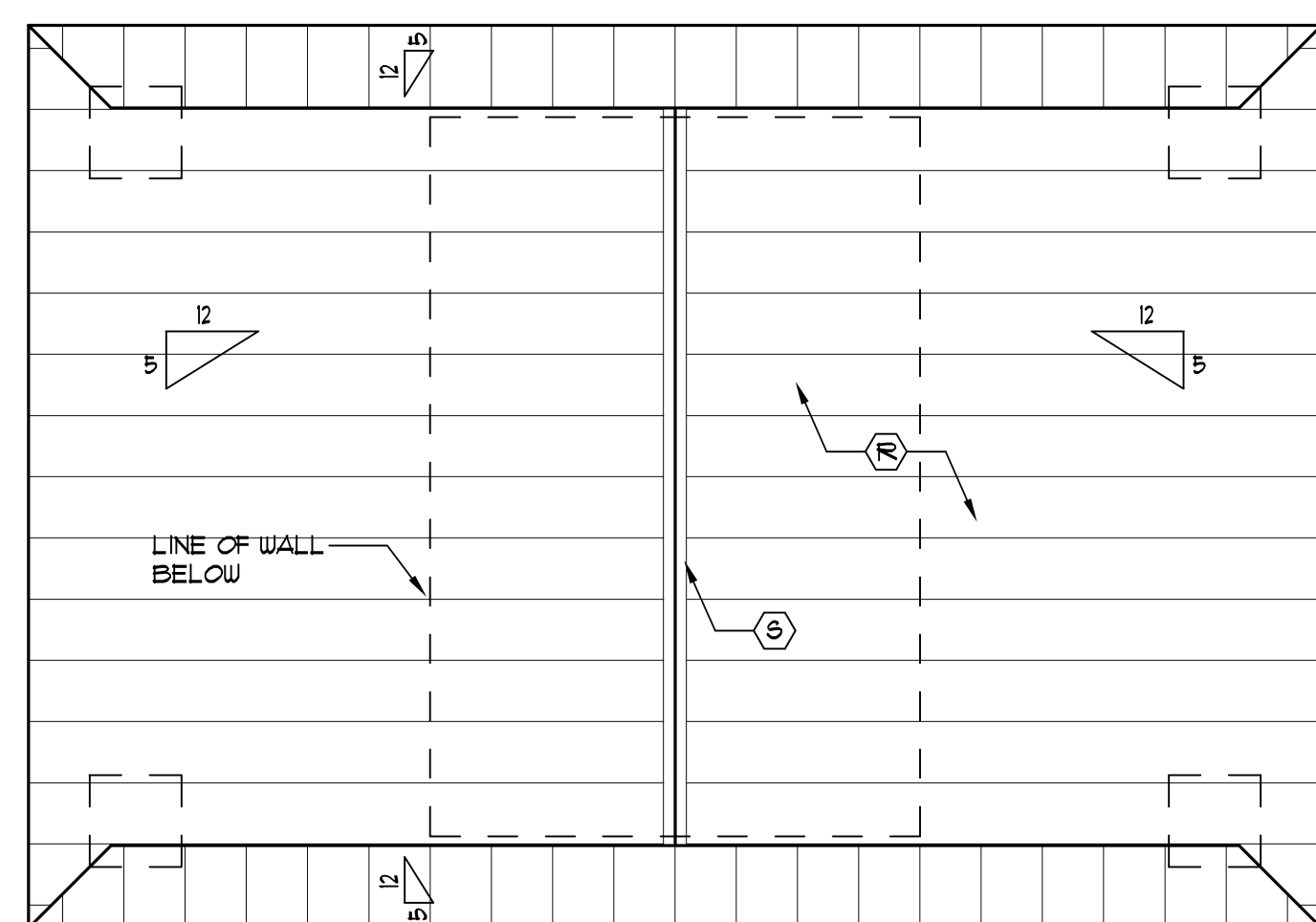
City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project

Splash Park Ticket Booth - Floor Plan  
sheet title

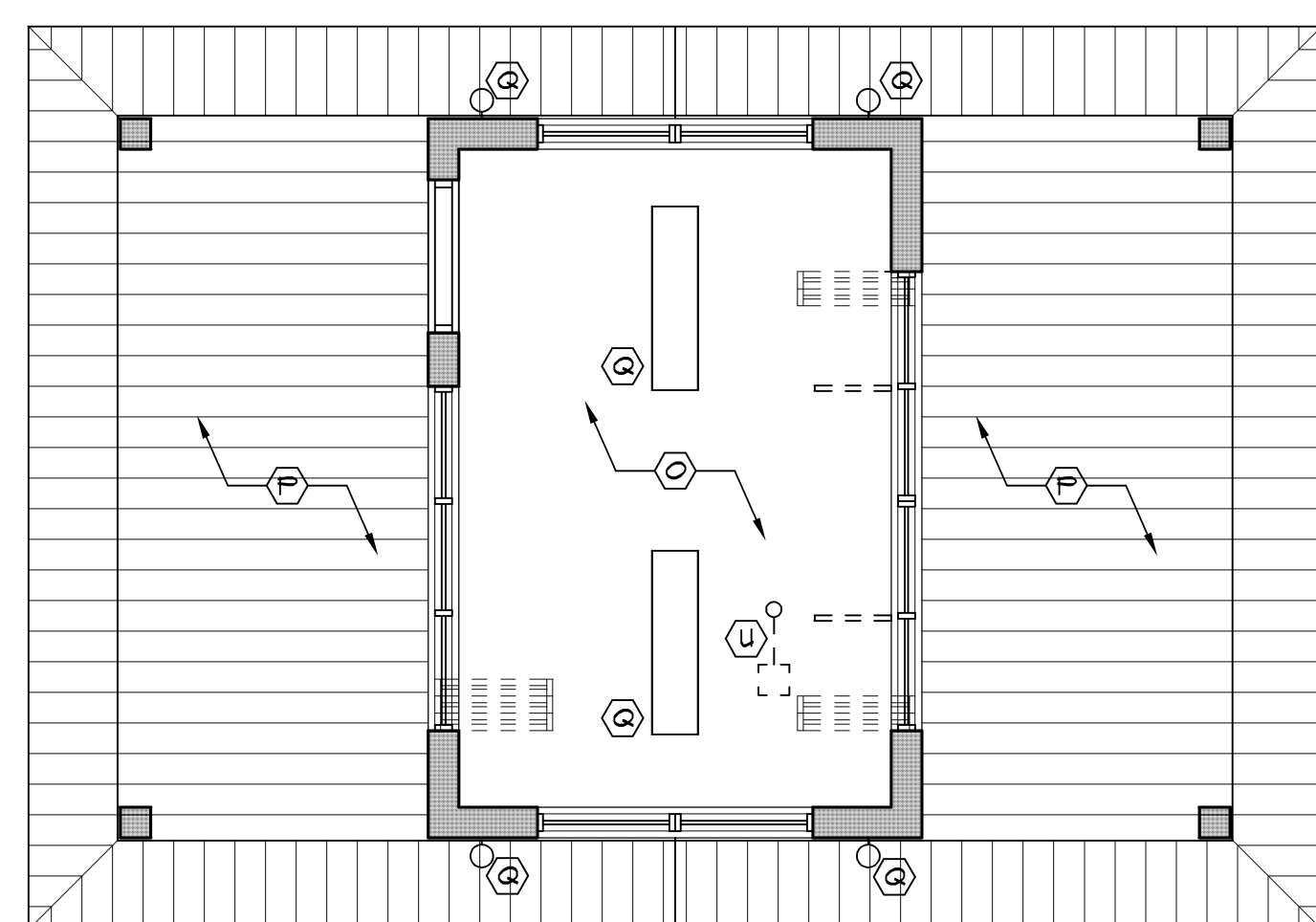
**Dorchen/Martin Associates, Inc.**  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. 16078A sheet no. TB-A1

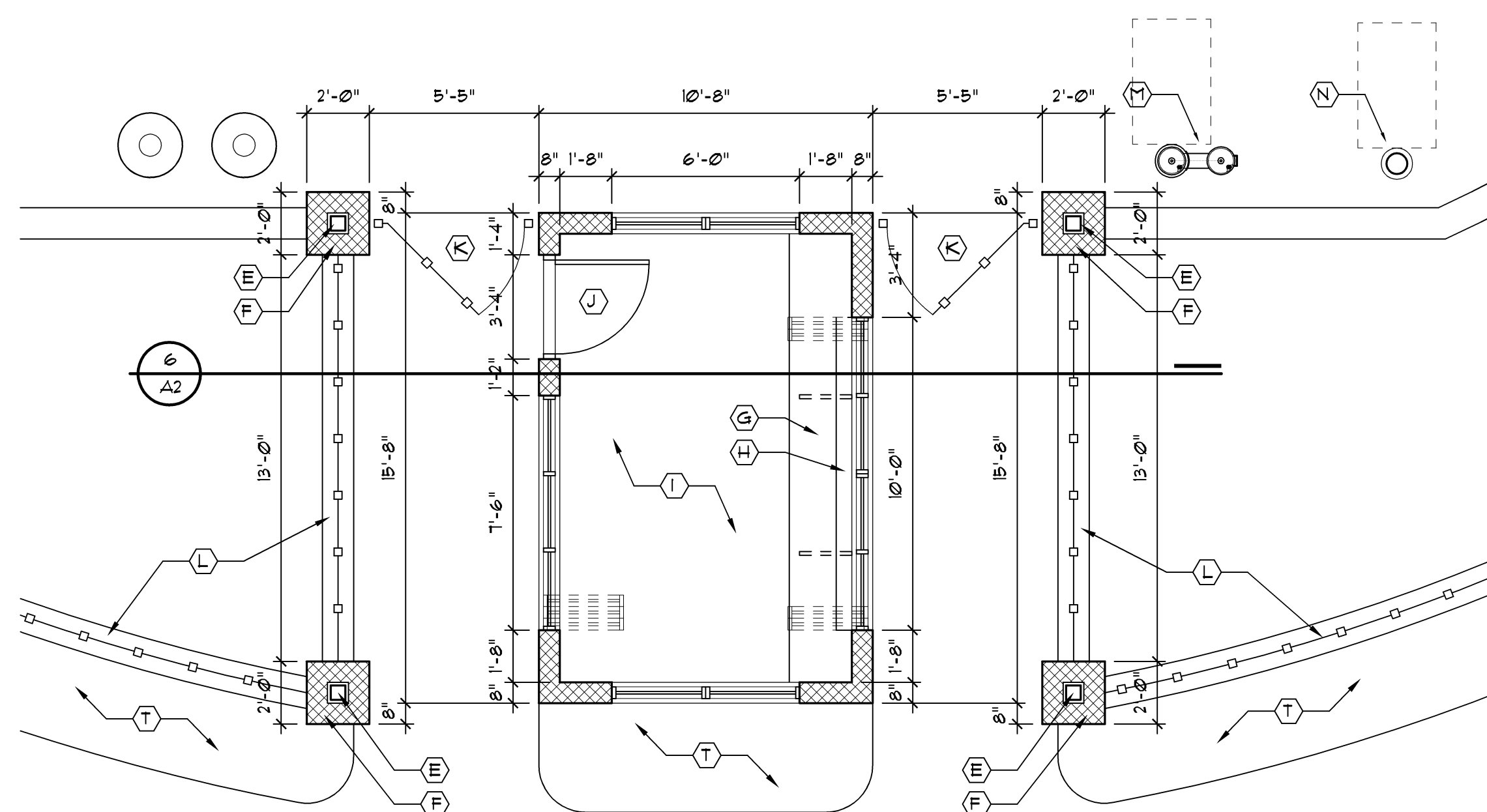
- KEYED NOTES:**
- (A) 8" FNDN. WALL ON 16"x12" CONCRETE SPREAD FOOTING W/ (2) #5 AT BTH. - SEE WALL SECTIONS FOR MORE INFORMATION
  - (B) 4" CONC. SLAB ON 6 MIL. VAPOR BARRIER ON 4" COMP. GRANULAR BASE
  - (C) 2'-0"x2'-0" CONC. PIER FOOTING - SEE WALL SECTIONS FOR MORE INFORMATION
  - (D) SUPPORTED SLAB (SEE DETAIL THIS SHEET)
  - (E) 6x6 MOISTURE TREATED POST W/ 1x8 FIBER CEMENT TRIM BOX-OUT (PAINT)
  - (F) CMU PIER
  - (G) SOLID SURFACE WORK SURFACE (SS-1) AT 30" AFF. SUPPORTED BY BRACKETS AS NECESSARY (SEE FLOOR PLAN. NO BRACKETS TO BE PLACED IN FRONT OF SLIDING WINDOW)
  - (H) SOLID SURFACE TRANSACTION TOP (SS-1) AT 36" AFF.
  - (I) CERAMIC TILE FLOOR AND BASE
  - (J) 3'-0"x1'-0"x1-3/4" HOLLOW METAL DOOR W/ SAFETY GLASS VISION LITE (PAINT)  
HOLLOW METAL DOOR FRAME (PAINT)  
METAL THRESHOLD, WEATHERSTRIPPING
  - (K) 5'-0" WIDE x 5'-0" HIGH ORNAMENTAL STEEL SWING GATE WITH LATCH AND LOCK
  - (L) 3'-0" HIGH ORNAMENTAL STEEL FENCE ON RETAINING WALL
  - (M) PEDESTAL DRINKING FOUNTAIN (SEE PLUMBING DRAWINGS)
  - (N) FREESTANDING SHOWER (SEE PLUMBING DRAWINGS)
  - (O) GYP. BD. CEILING - PAINT
  - (P) 5/8" 8" GROOVE FIBER CEMENT SOFFIT PANEL - PAINT
  - (Q) LIGHT FIXTURE (SEE ELECTRICAL DRAWINGS)
  - (R) "SNAP-LOCK" STANDING SEAM METAL ROOFING ON 30" FELT ON 3/4" PLYWOOD SHEATHING ON WOOD ROOF TRUSSES @ 24" O.C. (TYP.)
  - (S) RIDGE CAP
  - (T) LANDSCAPING
  - (U) EXHAUST FAN (SEE MECHANICAL PLANS)



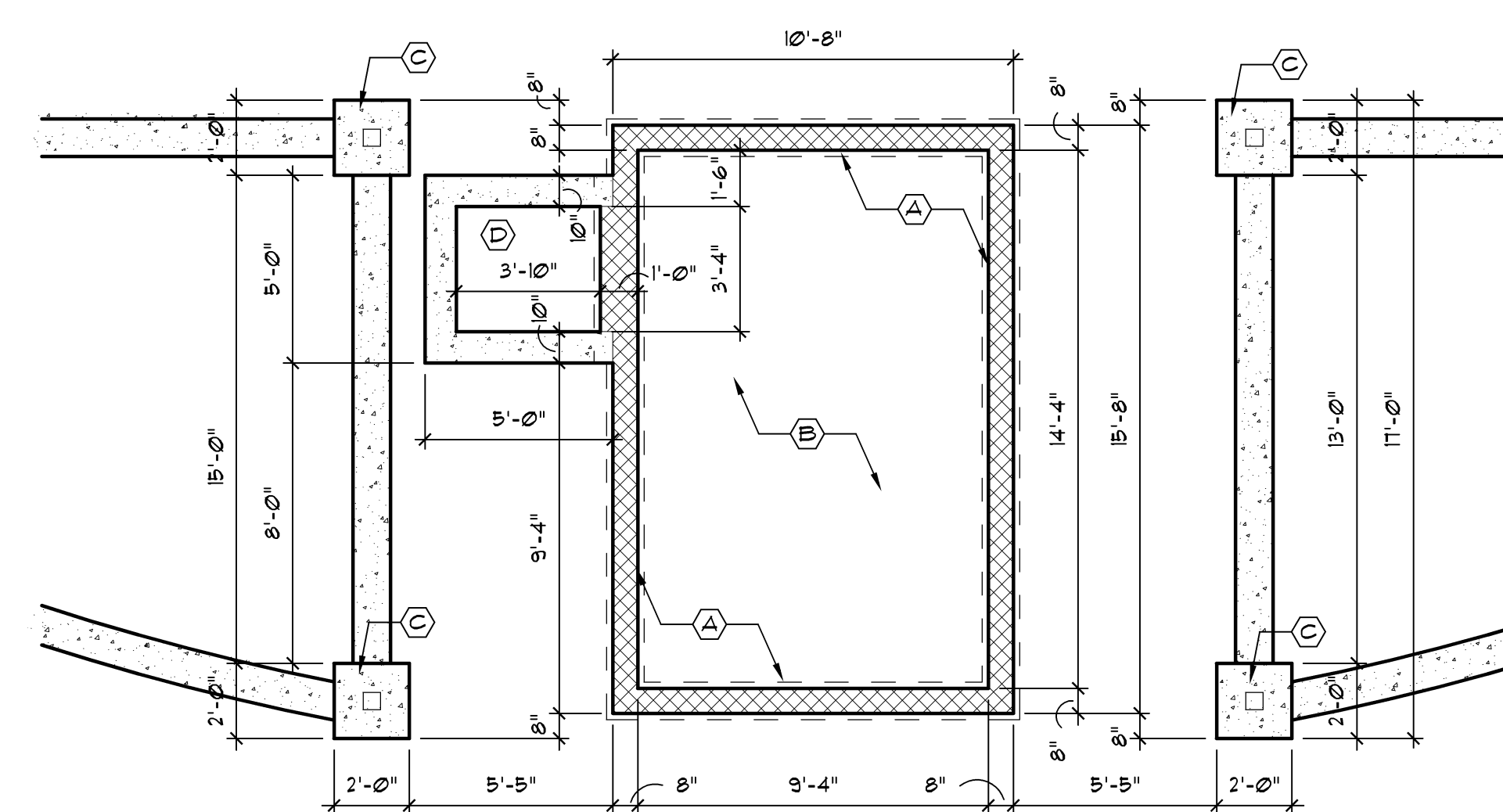
4 Roof Plan  
AI Scale: 1/4" = 1'-0"



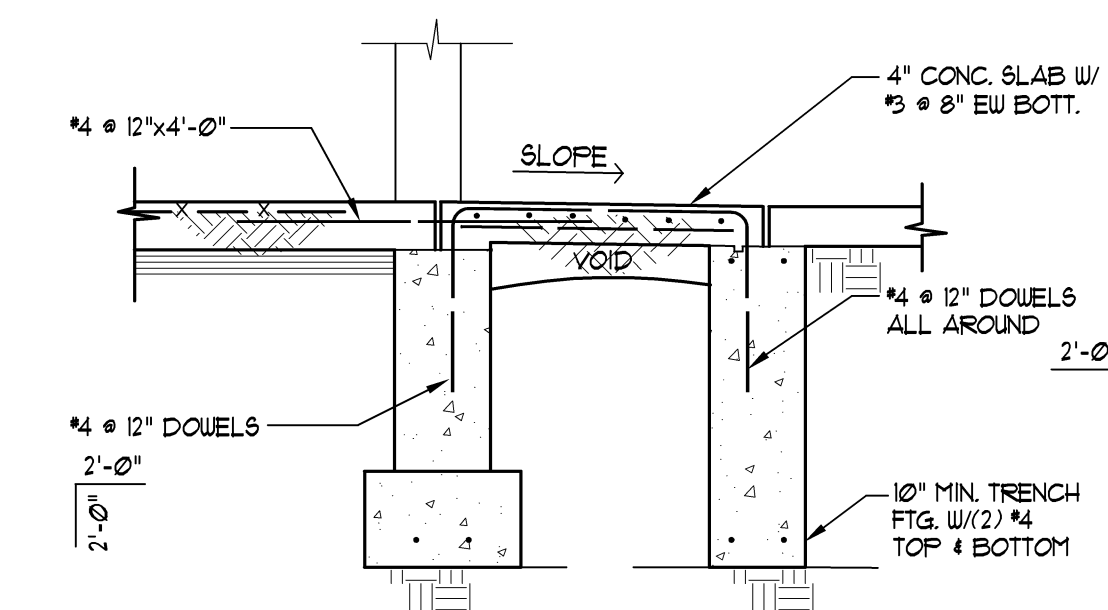
3 Reflected Ceiling Plan  
AI Scale: 1/4" = 1'-0"



2 Floor Plan  
AI Scale: 1/4" = 1'-0"



1 Foundation Plan  
AI Scale: 1/4" = 1'-0"

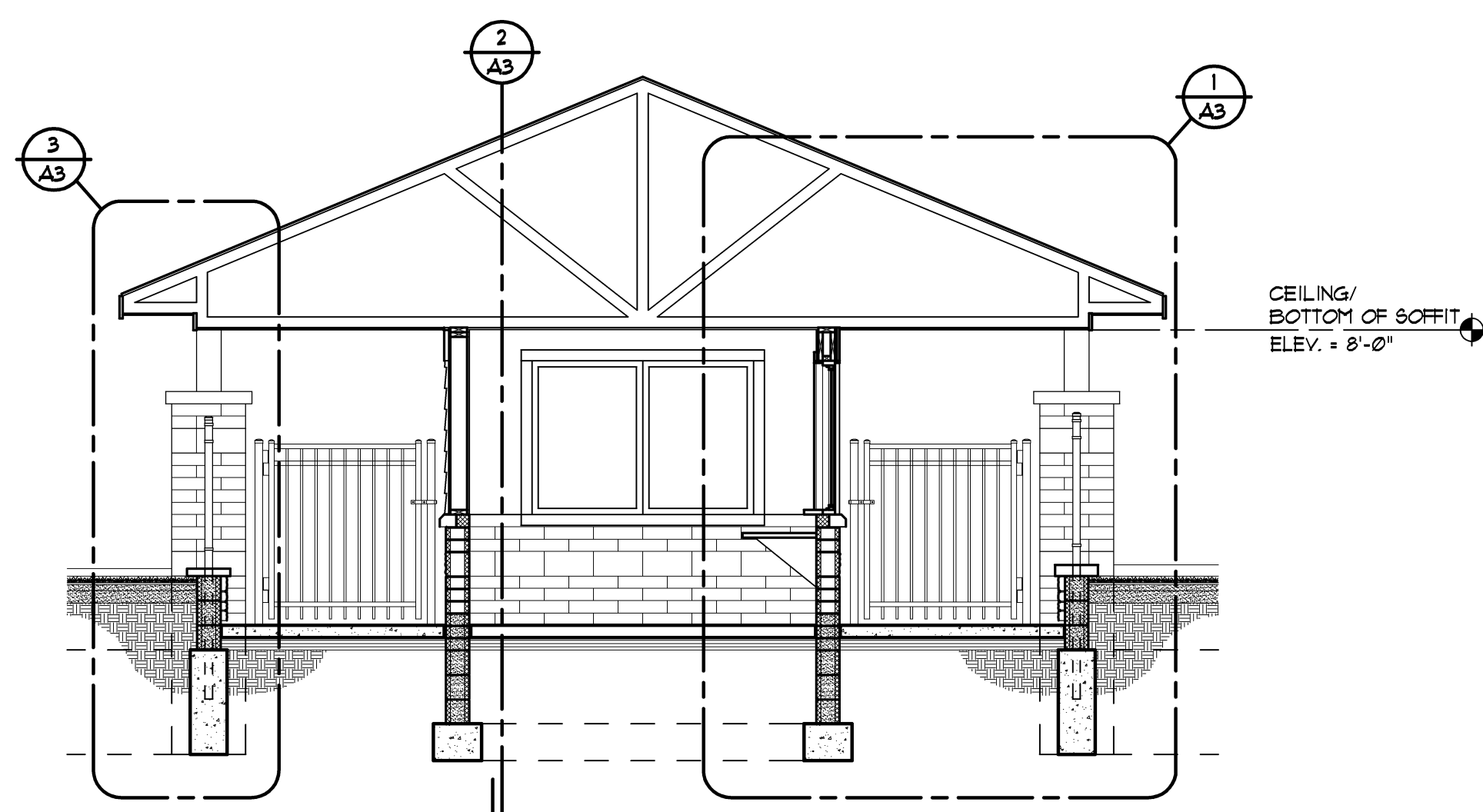


5 Supported Slab Detail  
AI Scale: Not to Scale

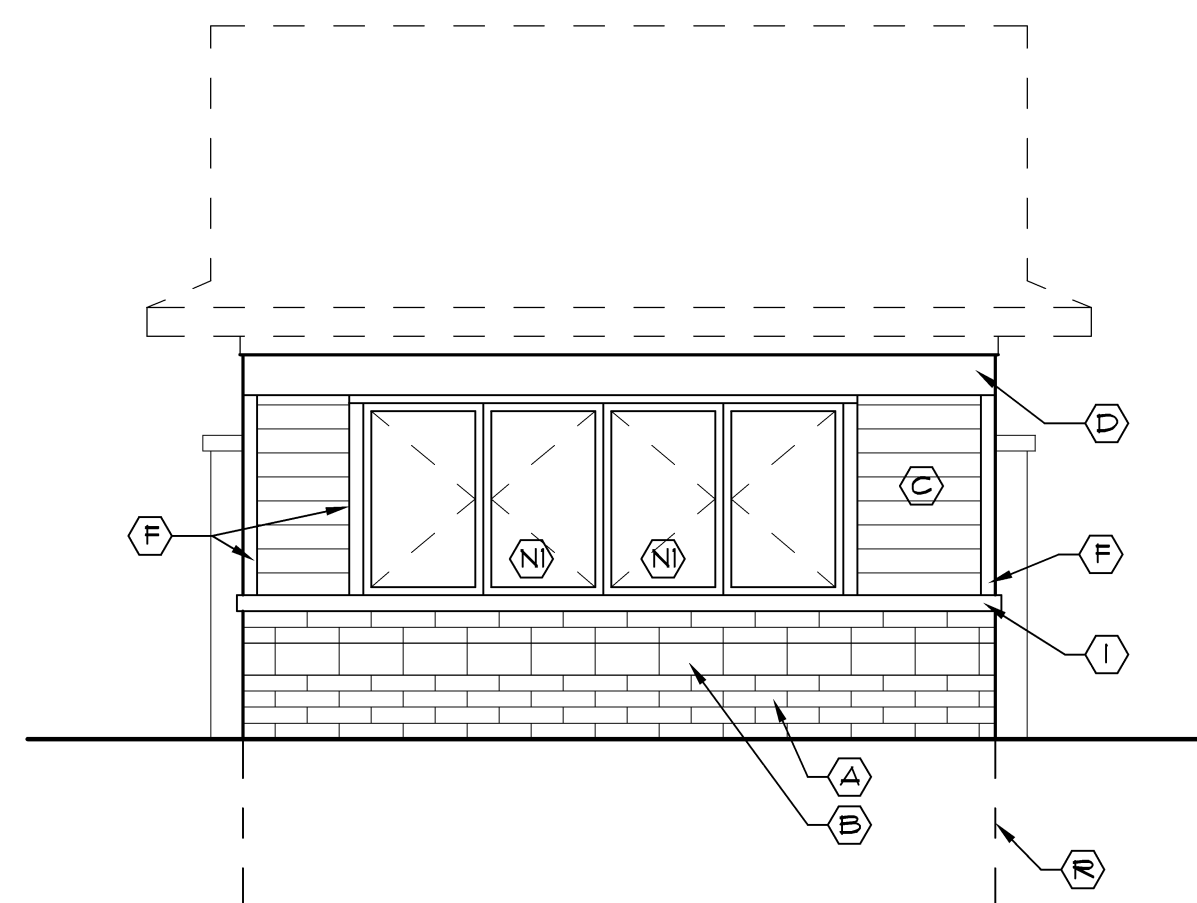
**ELEVATION NOTES**

- (A) 4"x8"x16" CMU - CONSUMER'S CONCRETE "BELLA BRIK" CINCINNATI BLEND
- (B) 8"x8"x16" SPLIT FACE CMU ACCENT BAND (MATCH CMU ON EXISTING RESTROOM BUILDING)
- (C) FIBER CEMENT SIDING - WOODTONE "RUSTIC SERIES" WINCHESTER BROWN, 1" EXPOSURE
- (D) 5/4x12 SMOOTH FACE FIBER CEMENT TRIM BOARD CUT TO FIT - PAINT
- (E) 5/4x6 SMOOTH FACE FIBER CEMENT TRIM BOARD - PAINT
- (F) 5/4x4 SMOOTH FACE FIBER CEMENT TRIM BOARD - PAINT
- (G) 5/4x8 SMOOTH FACE FIBER CEMENT TRIM BOARD - PAINT
- (H) 5/4x8 SMOOTH FACE FIBER CEMENT TRIM BOARDS AT POST SURROUND - PAINT
- (I) 4" PRECAST SILL
- (J) 4" PRECAST SLOPED PIER CAP
- (K) 4'-0" HIGH ORNAMENTAL STEEL FENCE ON RETAINING WALL
- (L) 5'-0" WIDE x 5'-0" HIGH ORNAMENTAL STEEL SWING GATE WITH LATCH AND LOCK
- (M) HOLLOW METAL DOOR 4 FRAME
- (N) 5040 FOLDING WINDOW - ALUMINUM CLAD EXTERIOR PAINTED WOOD INTERIOR. KOLBE VISTALUXE OR EQUAL
- (N2) 1640 FOLDING WINDOW - ALUMINUM CLAD EXTERIOR PAINTED WOOD INTERIOR. KOLBE VISTALUXE OR EQUAL
- (O) 3040 FIXED WINDOW - ALUMINUM CLAD EXTERIOR PAINTED WOOD INTERIOR. KOLBE VISTALUXE OR EQUAL
- (P) "SNAP-LOCK" STANDING SEAM METAL ROOFING ON 3/4" FELT ON 3/4" EXTERIOR GRADE PLYWOOD DECKING ON TRUSSES (TYP.)
- (Q) ALUMINUM GUTTER AND DOWNSPOUT
- (R) LINE OF FOUNDATION WALL BEYOND
- (S) SIMULATED STONE VENEER - CULTURED STONE "COUNTRY LEDGESTONE" BUCKS COUNTY

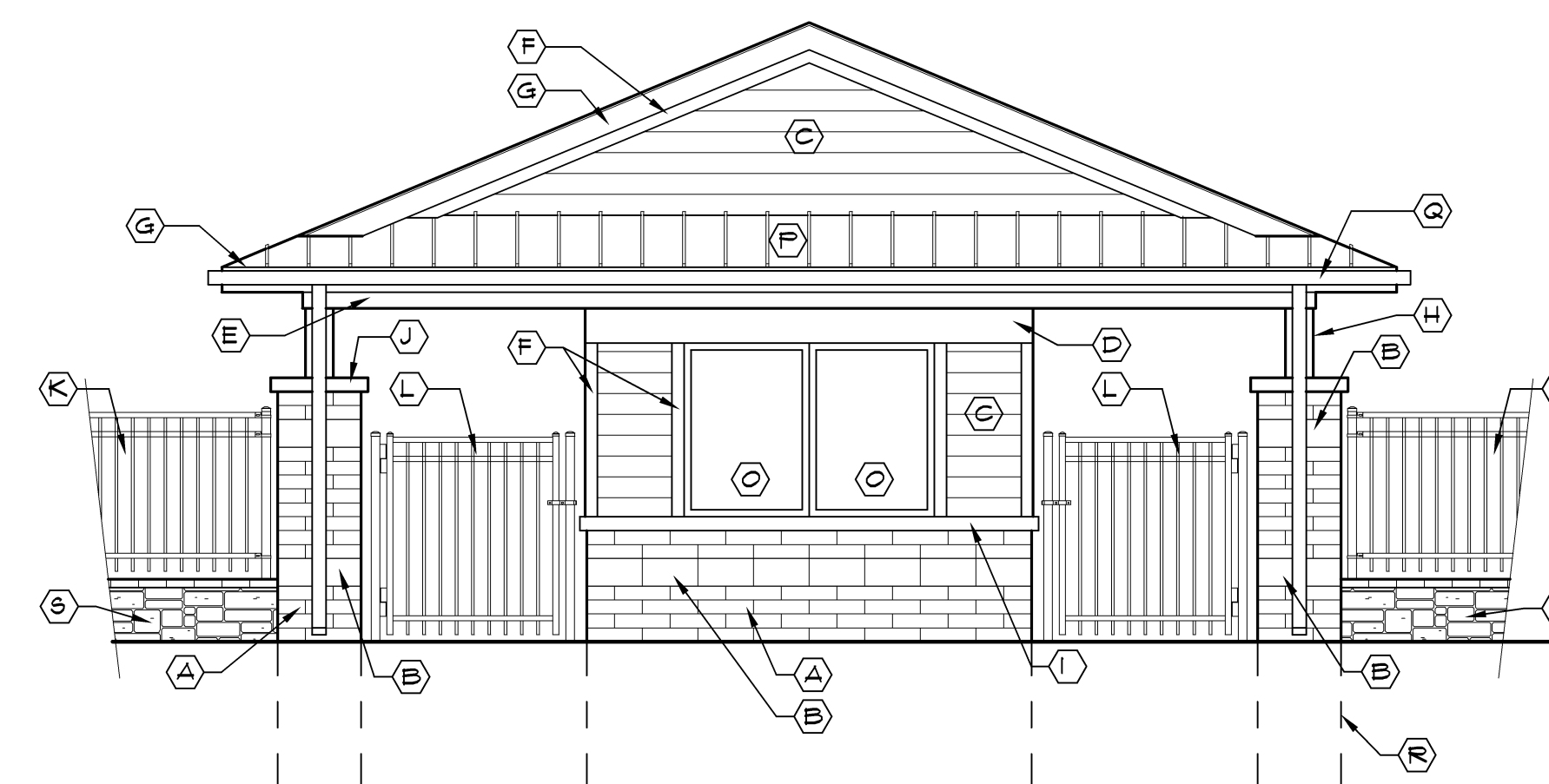
architect seal



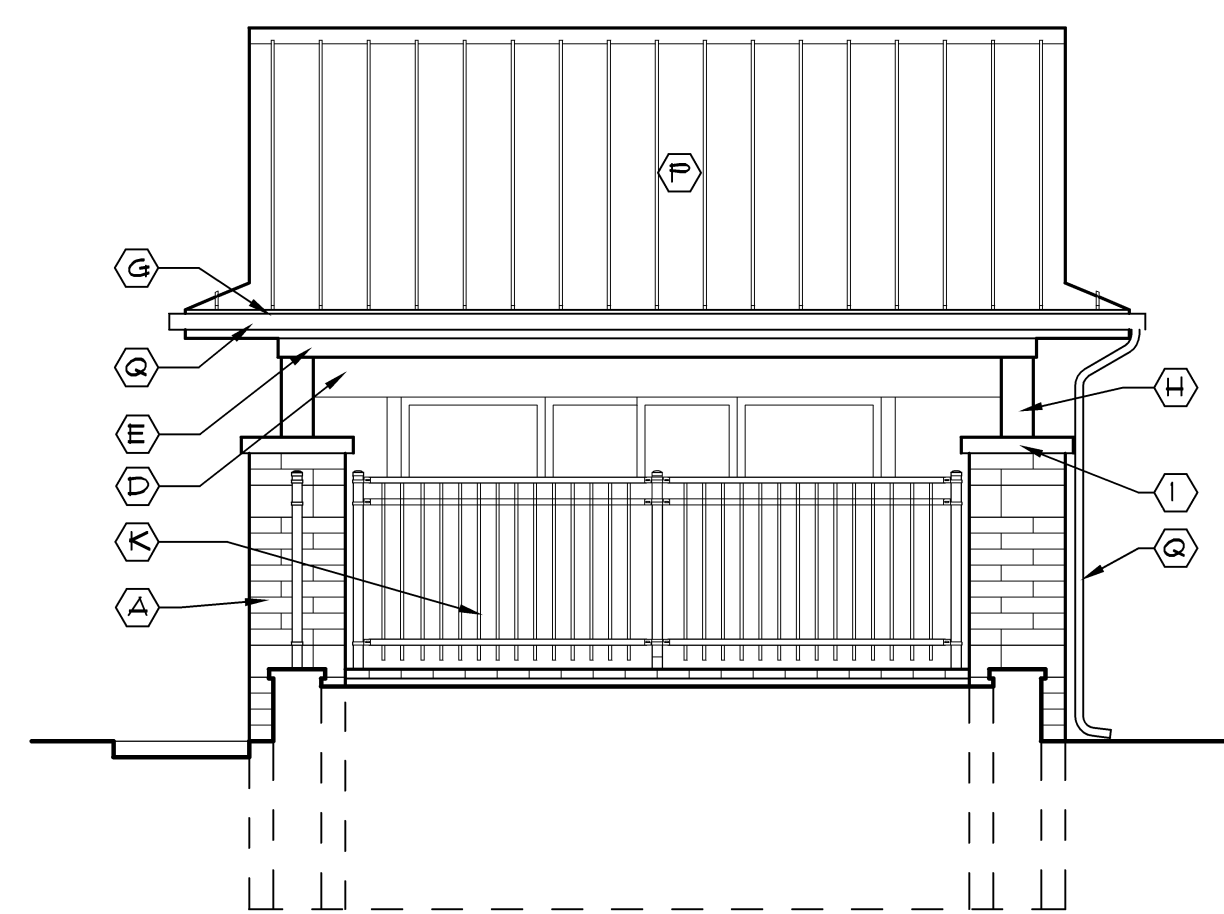
**6** Section  
A1 Scale: 1/4" = 1'-0"



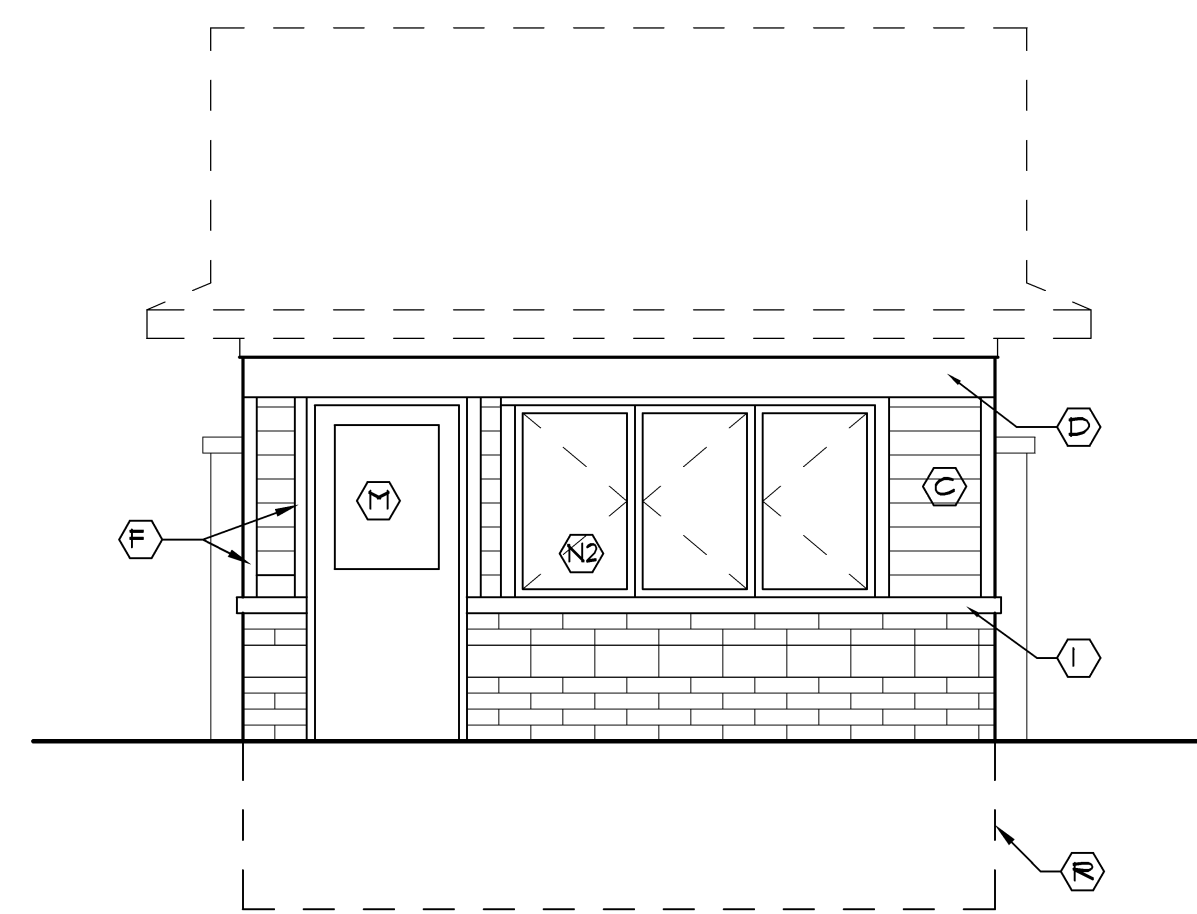
**4** East Elevation Inside Gate  
A2 Scale: 1/4" = 1'-0"



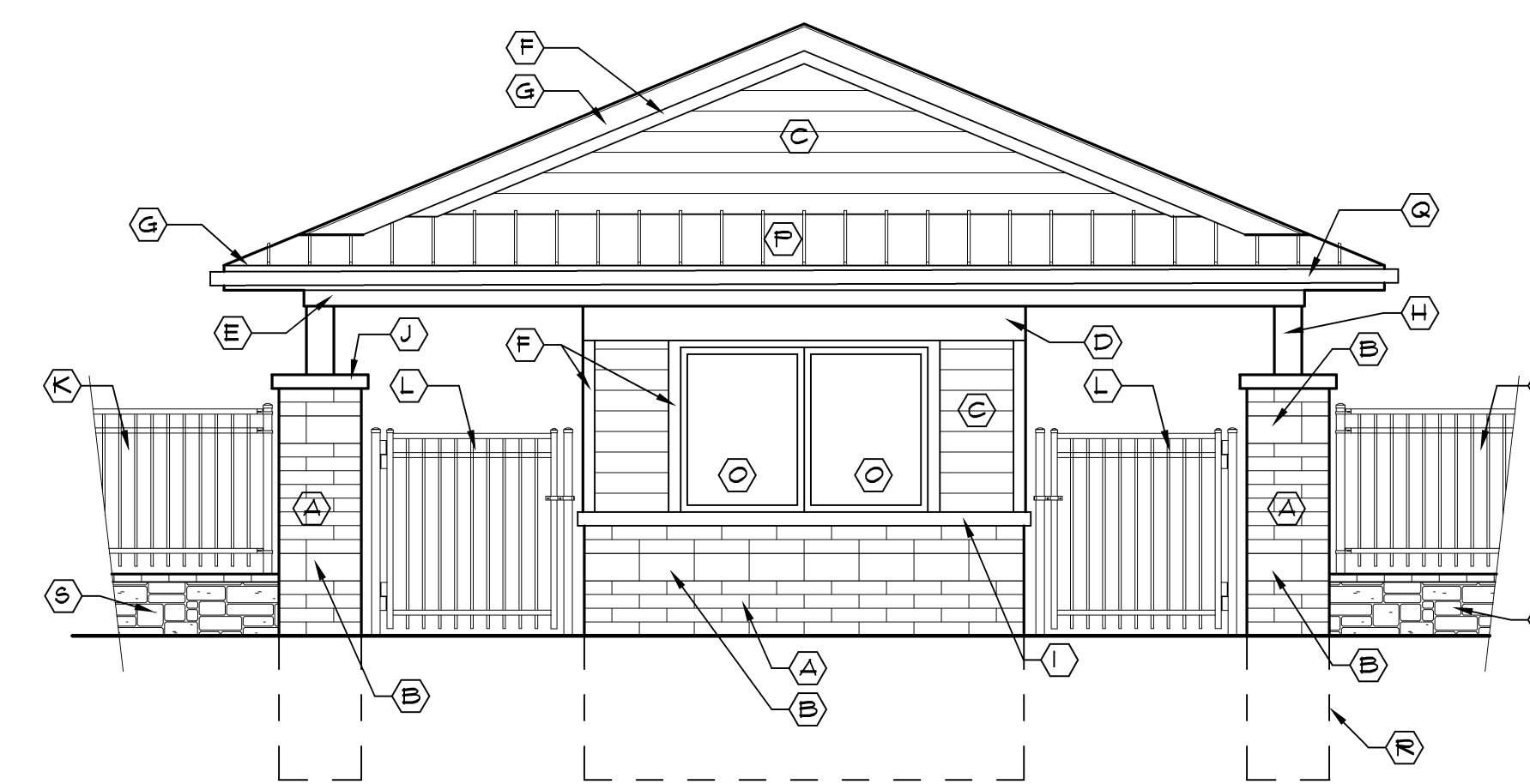
**3** North Elevation  
A2 Scale: 1/4" = 1'-0"



**5** East Elevation Outside Gate  
A2 (West Elevation Similar)  
Scale: 1/4" = 1'-0"



**2** West Elevation Inside Gate  
A2 Scale: 1/4" = 1'-0"



**1** South Elevation  
A2 Scale: 1/4" = 1'-0"



Issue / revision date
3-7-17 Prelim. Review
3-21-17 Prelim. Review
5-9-17 Prelim. Review
5-16-17 Prelim. Review
6-7-17 City Review
6-19-17 Bids

drawn by checked by

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project

Splash Park Ticket Booth - Elevations and Sections  
sheet title

**Dorchen/Martin Associates, Inc.**  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. sheet no.  
**16078A TB-A2**



Issue / revision date

3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

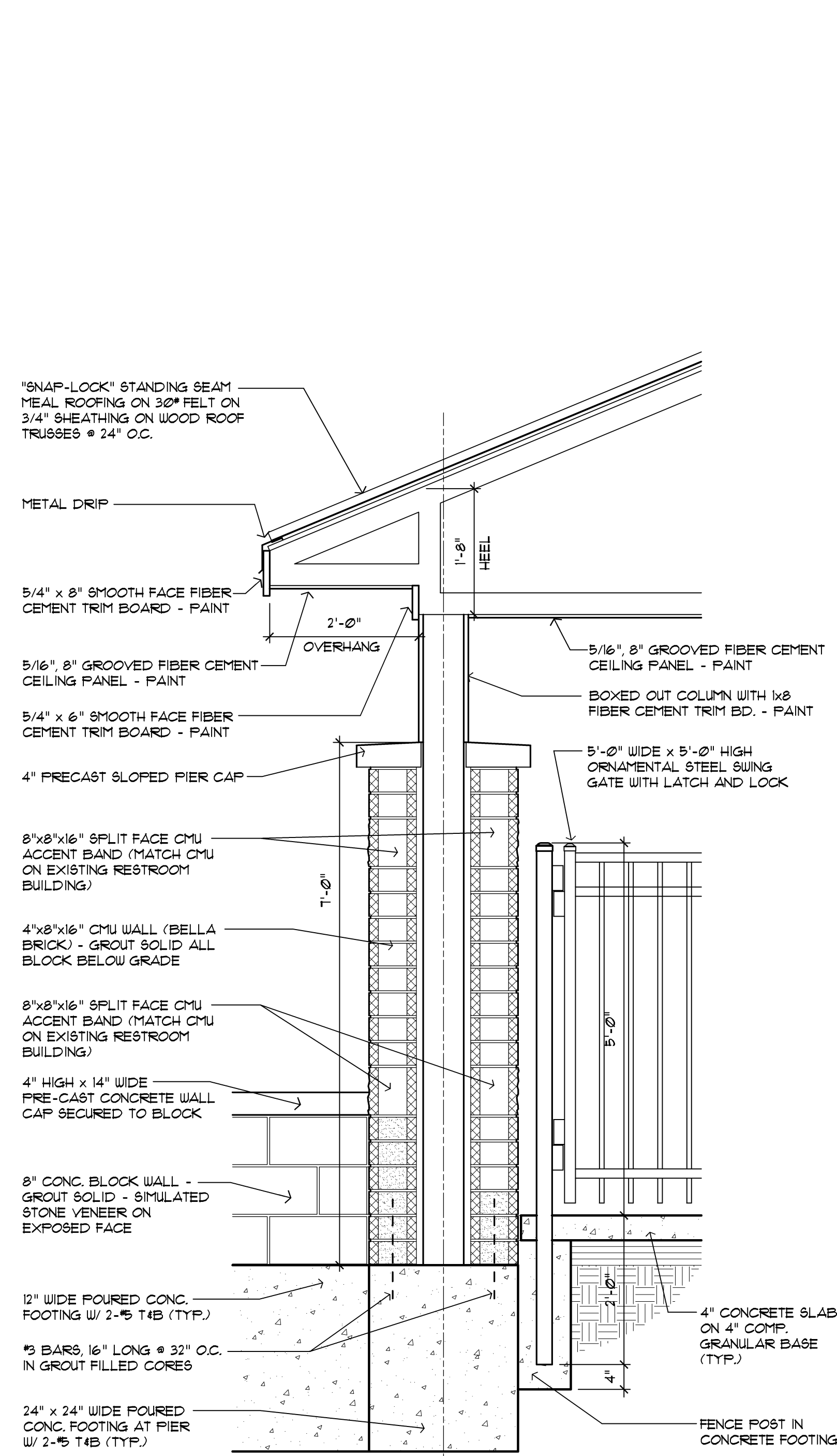
drawn by checked by

City of Sterling Heights Dodge Park Improvements Sterling Heights, Michigan	project
Splash Park Ticket Booth - Wall Sections and Details	sheet title

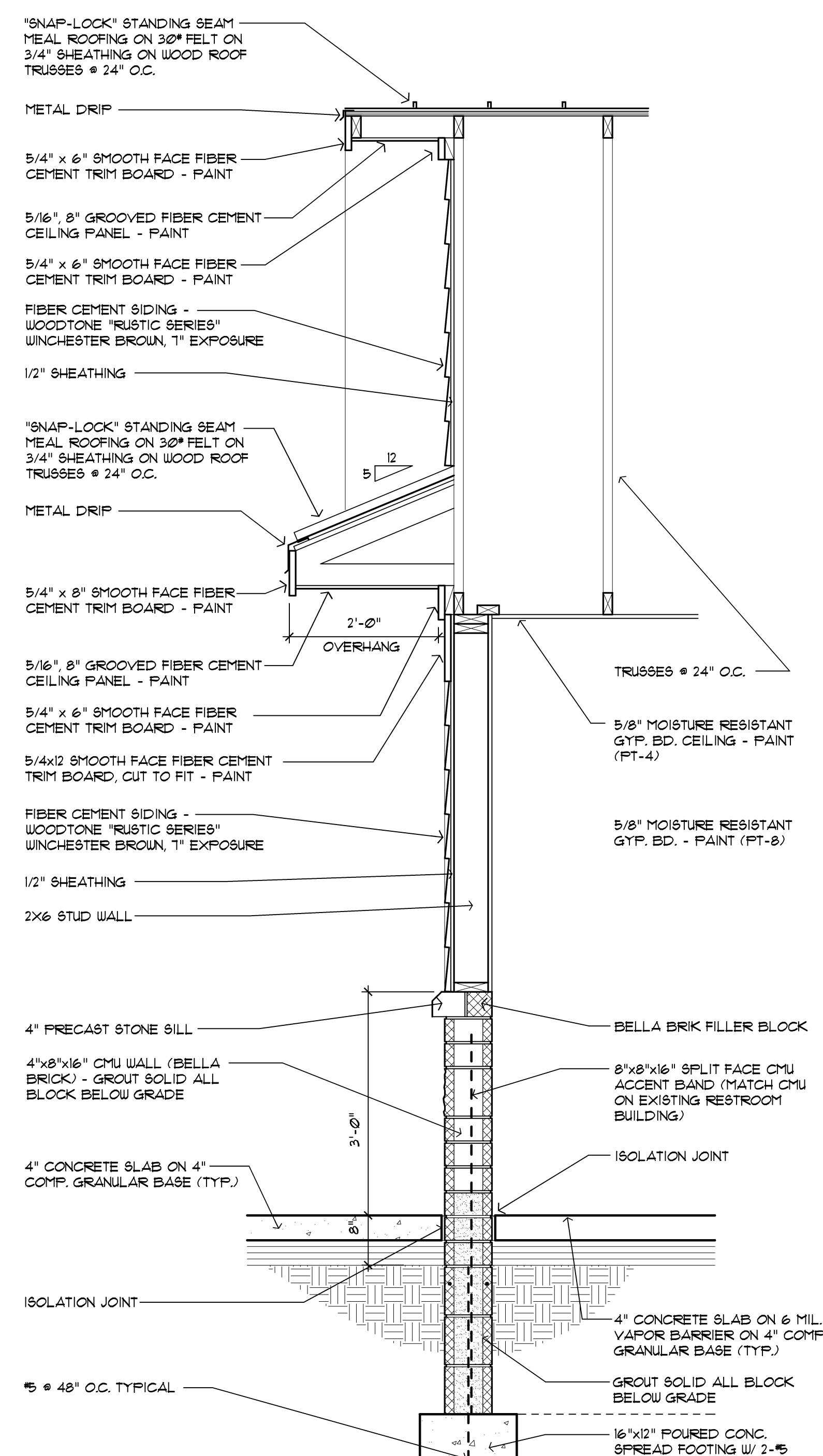


job no. sheet no.

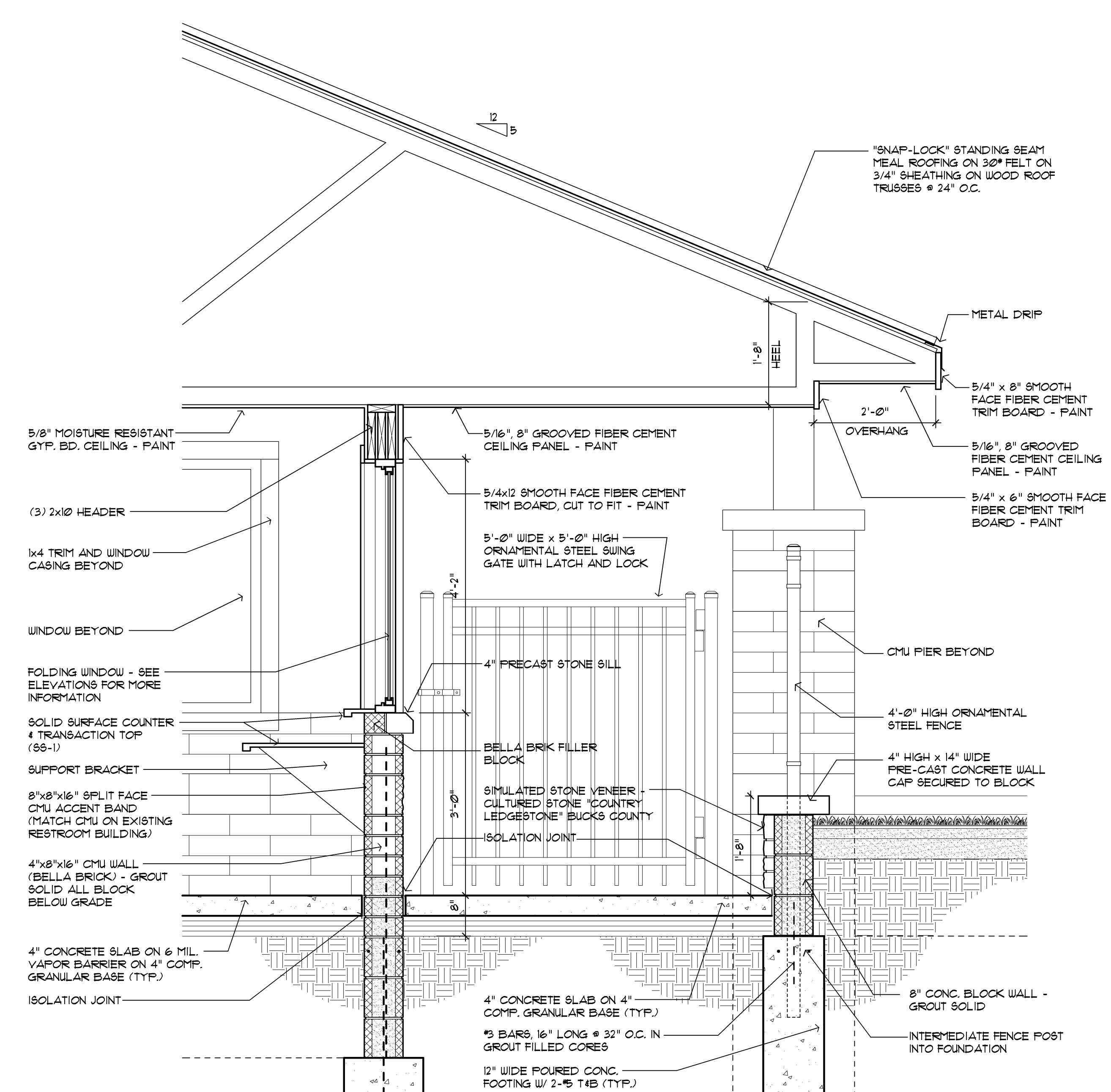
16078A TB-A3



3 Brick Column Surround Section  
A2 Scale: 3/4" = 1'-0"

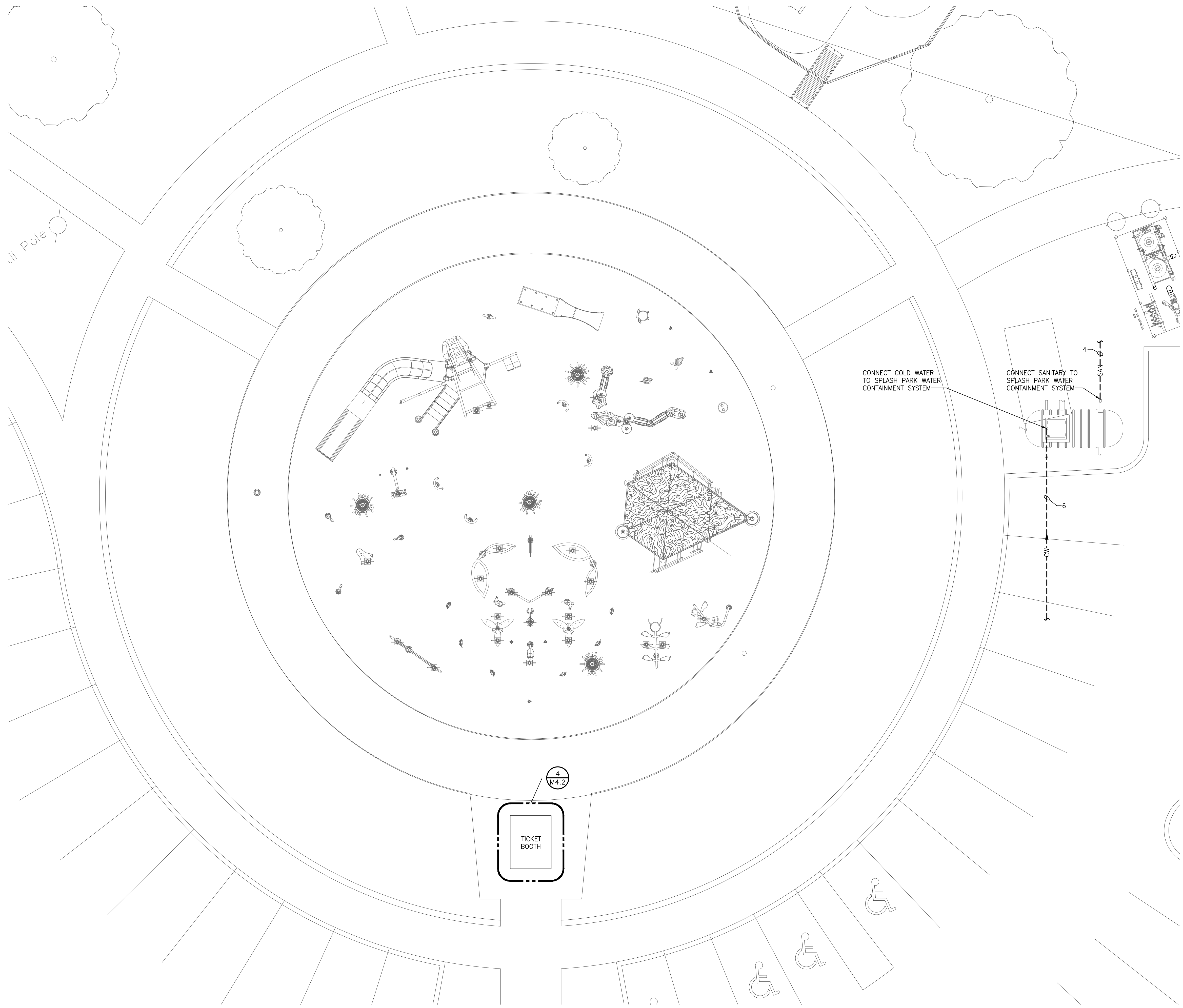


2 Brick Column Surround Section  
A2 Scale: 3/4" = 1'-0"



1 Wall Section  
A2 Scale: 3/4" = 1'-0"





**MECHANICAL GENERAL NOTES**

1. THESE DRAWINGS ARE DIAGRAMMATIC & INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE PLUMBING AND HVAC SYSTEMS COMPLETE PER SPECIFICATION, SMACNA STANDARDS, AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS, SPECIAL RADIUS OR MITERED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER STRUCTURAL CONDITIONS.
2. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY WORK.
3. DUCTWORK/PIPING SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT. DUCTWORK/PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
4. THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.
5. COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS ETC. WITH ARCHITECTURAL TRADES.
6. REFER TO ARCHITECTURAL PLANS FOR SPECIFICATIONS AND EXACT LOCATIONS OF FIXTURES (STANDARD AND BARRIER FREE), SINKS, ETC. REFER TO FOOD SERVICE PLANS FOR SPECIFICATIONS AND EXACT LOCATIONS OF FOOD SERVICE EQUIPMENT. REFER TO PLUMBING FIXTURE SCHEDULE FOR CONNECTION SIZES, ACCESSORIES, AND ADDITIONAL INFORMATION.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.
8. PIPING/DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT/ABOVE OF ELECTRICAL EQUIPMENT. PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
9. PIPING SHALL NOT BE INSTALLED IN A LOCATION THAT RESTRICTS THE ACCESS TO MECHANICAL DEVICES REQUIRING ACCESS.
10. HOT AND COLD WATER PIPING RUN-OUTS TO LAVS AND SINKS SHALL BE 3/4" UNLESS NOTED OTHERWISE. REFER TO PLUMBING FIXTURE SCHEDULE FOR CONNECTION SIZES. PROVIDE BRANCH LINE ISOLATION VALVES ON DOMESTIC PIPING TO EACH GROUP OF FIXTURES AND TOILET ROOMS. PROVIDE FULL OPEN VALVES PER PLUMBING CODE.
11. HOT AND COLD WATER PIPING RUN-OUTS TO LAVS AND SINKS SHALL BE 3/4" UNLESS NOTED OTHERWISE. REFER TO SPECIFICATIONS FOR FIXTURE CONNECTION SIZES.
12. PROVIDE CODE REQUIRED CLEARANCE/ACCESS DOORS FOR DAMPERS, VALVES, AND CLEANOUTS LOCATED IN WALLS OR ABOVE HARD CEILINGS, AND LOCATIONS OF CLEANOUTS INSTALLED IN STORM AND SANITARY PIPING. COORDINATE LOCATIONS WITH ARCHITECT. PROVIDE CLEANOUTS AT THE BASE OF ALL STACKS. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPES.
13. FOR EQUIPMENT VALVING, COMPONENT, AND PIPING ARRANGEMENT, REFER TO PIPING DIAGRAMS AND DETAILS.
14. BRANCH DUCTWORK TO GRILLES, REGISTERS AND DIFFUSERS SHALL BE THE SAME SIZE AS THE GRILLE, REGISTER OR DIFFUSER NECK SIZE WHERE NO DUCT SIZE IS INDICATED ON PLAN.
15. MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 5'-0".



**Strategic Energy Solutions®**  
 4000 Eleven Mile Road Ber. Ier, MI 48072  
 Phone 248.399.1900 Fax 248.399.1901  
 www.sesnet.com  
 SES Project # 17 0454 01



Issue / revision date
5-09-17 Owner Review
6-06-17 Coordination
6-16-17 Bids

drawn by	checked by
RHM	JDK

City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan

**SPLASH PARK MECHANICAL NEW WORK PLAN**

project sheet title

**DM**  
 Dorchen/Martin Associates, Inc.  
 Architects/Planners  
 29895 Greenfield Rd., Suite 107  
 Southfield, Michigan 48076  
 (248) 557-1062  
 Fax: (248) 557-1231

job no.	sheet no.
16078A	M4.1

**SPLASH PARK MECHANICAL NEW WORK PLAN**  
 SCALE: 1/8" = 1'-0"



Drawing: S:\17 0454 01 Sterling Heights Parks & Rec\CAD\Mechanical\GD02\_SPRK\_M4-1.dwg  
 Date: Jun 16, 2017, 8:19am  
 Layout: M4\_1  
 Plotted by: pdf



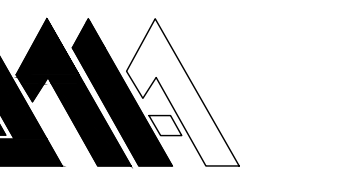


Issue / revision date	
5-09-17	Owner Review
6-06-17	Coordination
6-16-17	Bids

drawn by	checked by
CEM	PDH

City of Sterling Heights  
Dodger Park Improvements  
Sterling Heights, Michigan  
project

SPLASH PARK ELECTRICAL NEW WORK PLAN  
sheet title



job no.	sheet no.
16078A	E4.1

### ELECTRICAL GENERAL NOTES

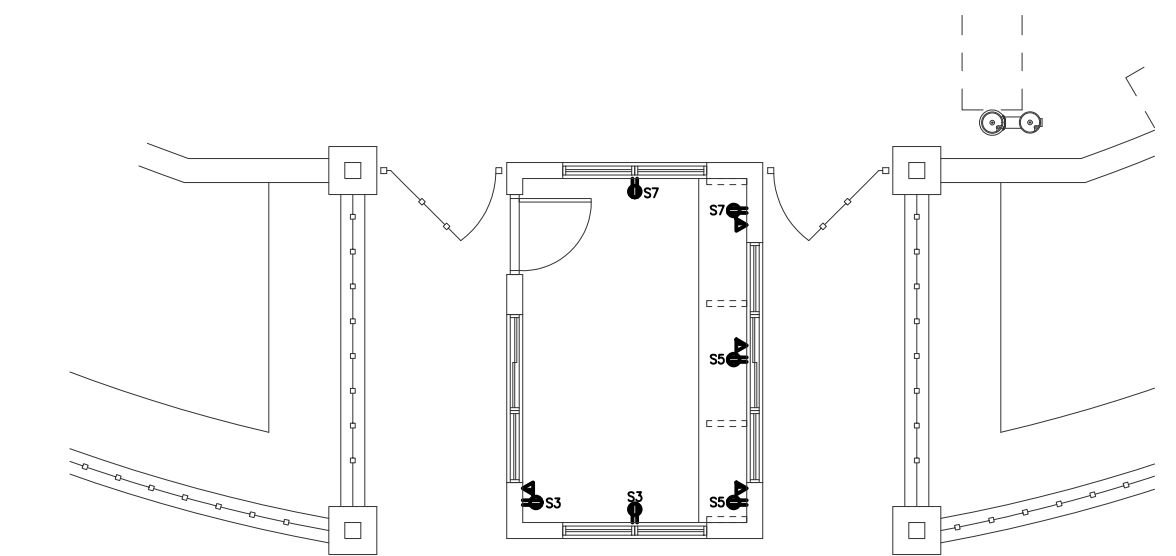
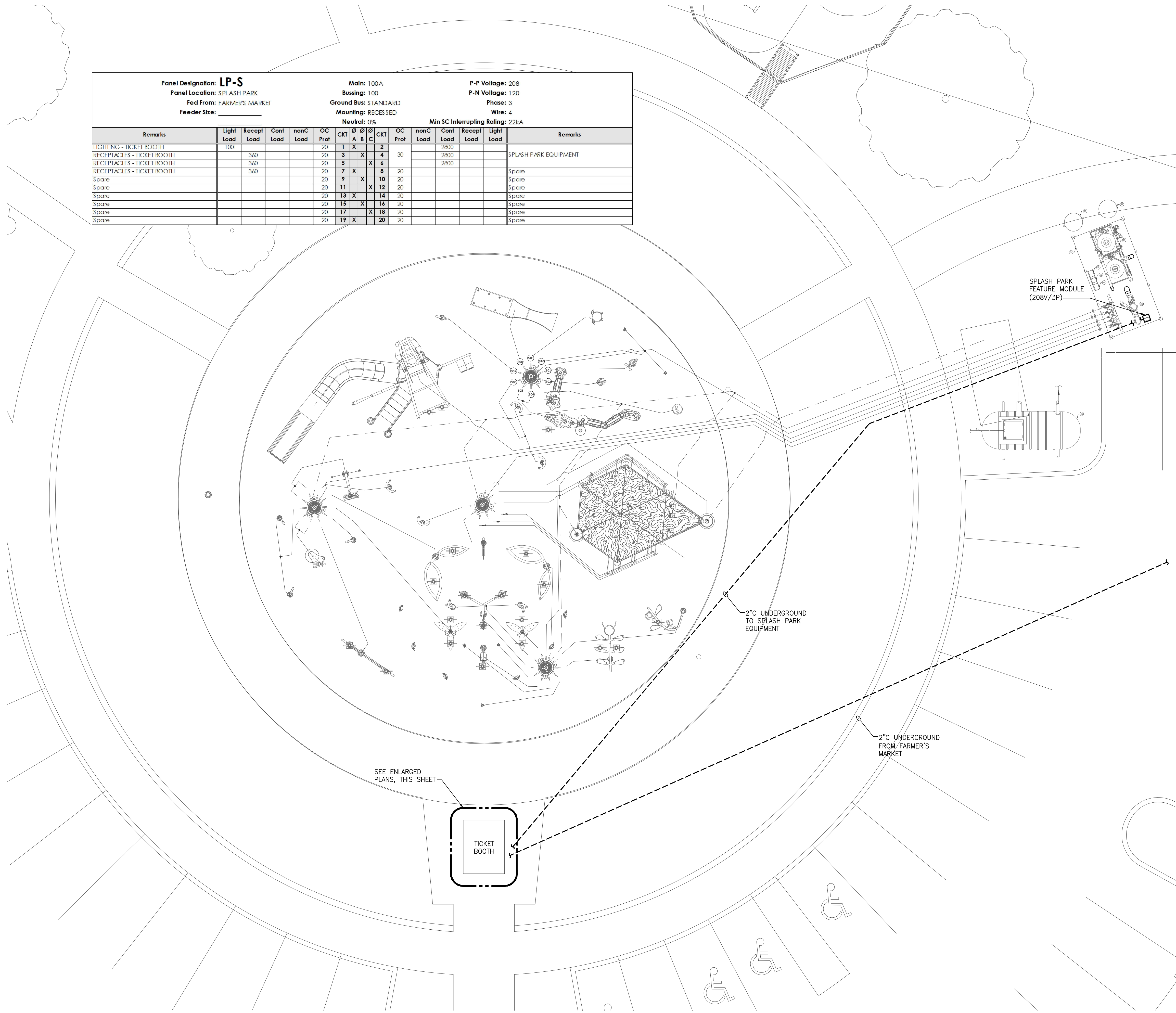
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LIGHTING FIXTURES UNLESS OTHERWISE NOTED.
- SEE LUMINAIRE SCHEDULE ON ELECTRICAL GENERAL INFORMATION SHEET.
- EXIT LIGHTS AND EMERGENCY BATTERY UNITS SHALL BE UNCONTROLLED AND TIED AHEAD OF LOCAL AREA LIGHTING SWITCH, UNLESS CIRCUITED OTHERWISE.
- WHERE MORE THEN ONE LIGHT SWITCH IS INDICATED TO BE INSTALLED AT THE SAME LOCATION, THEY SHALL BE GROUPED UNDER ONE COMMON FACEPLATE.
- ALL ELECTRICAL DEVICES SHOWN ON THIS PLAN SHALL BE NEW UNLESS OTHERWISE NOTED.
- ANY 120 VOLT BRANCH CIRCUIT FEEDER LONGER THAN 75'-0" TO LAST DEVICE SHALL BE SIZED TO THE NEXT LARGER STANDARD AWG SIZE. E.C. SHALL FIELD VERIFY ALL LENGTHS OF FEEDERS.
- ALL RECEPTACLES SHALL BE 20A. RATED.
- ALL DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE.
- ALL RECEPTACLES WITHIN 6'-0" OF SINK OR OTHER WATER SUPPLY SHALL BE GFCI TYPE RECEPTACLE.
- REFER TO ARCHITECTURAL FLOOR PLAN AND ELEVATIONS FOR EXACT LOCATION OF DEVICES.
- ALL JUNCTION BOXES SERVING BRANCH CIRCUIT WIRING SHALL BE LABELED WITH CIRCUITS SERVED.
- ALL 120 VOLT CIRCUITS SHALL UTILIZE A SEPARATE NEUTRAL.
- ALL CONDUITS SERVING 120 VOLTS OR GREATER SHALL INCLUDE A GROUND WIRE.
- ALL CONDUITS SHALL BE ROUTED CONCEALED UNLESS NOTED OTHERWISE.
- ALL ELECTRICAL EQUIPMENT MOUNTED ON THE FLOOR SHALL BE MOUNTED ON A 4" CONCRETE HOUSE KEEPING PAD.
- ALL BRANCH CIRCUIT WIRING SHALL BE 2#12, 1#12GND IN 3/4" CONDUIT, UNLESS NOTED OTHERWISE.

Remarks	Light Load	Recept Load	Cont Load	non-C Load	OC Prot	CKT A	CKT B	CKT C	non-C Load	Cont Load	Recept Load	Light Load	Remarks
LIGHTING - TICKET BOOTH	100				20	1	X	2					
RECEPTACLES - TICKET BOOTH		360			20	3	X	4	30		2800		SPLASH PARK EQUIPMENT
RECEPTACLES - TICKET BOOTH		360			20	5	X	6			2800		
RECEPTACLES - TICKET BOOTH		360			20	7	X	8	20				Spare
Spare					20	9	X	10	20				Spare
Spare					20	11	X	12	20				Spare
Spare					20	13	X	14	20				Spare
Spare					20	15	X	16	20				Spare
Spare					20	17	X	18	20				Spare
Spare					20	19	X	20	20				Spare

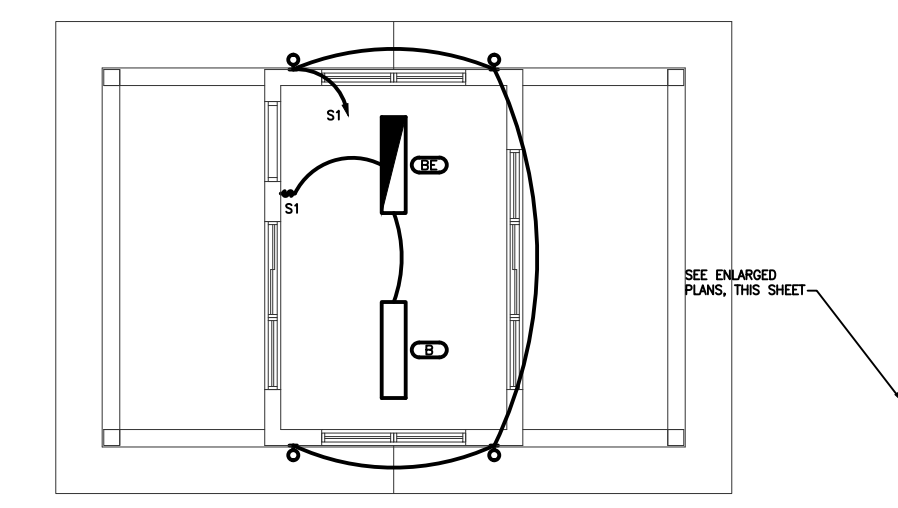
Panel Designation: **LP-S**  
Panel Location: **SPLASH PARK**  
Fed From: **FARMER'S MARKET**  
Feeder Size: \_\_\_\_\_

Main: 100A  
Bussing: 100  
Ground Bus: STANDARD  
Mounting: RECESSED  
Neutral: 0%

P-P Voltage: 208  
P-N Voltage: 120  
Phase: 3  
Wire: 4  
Min SC Interrupting Rating: 22kA



TICKET BOOTH POWER PLAN

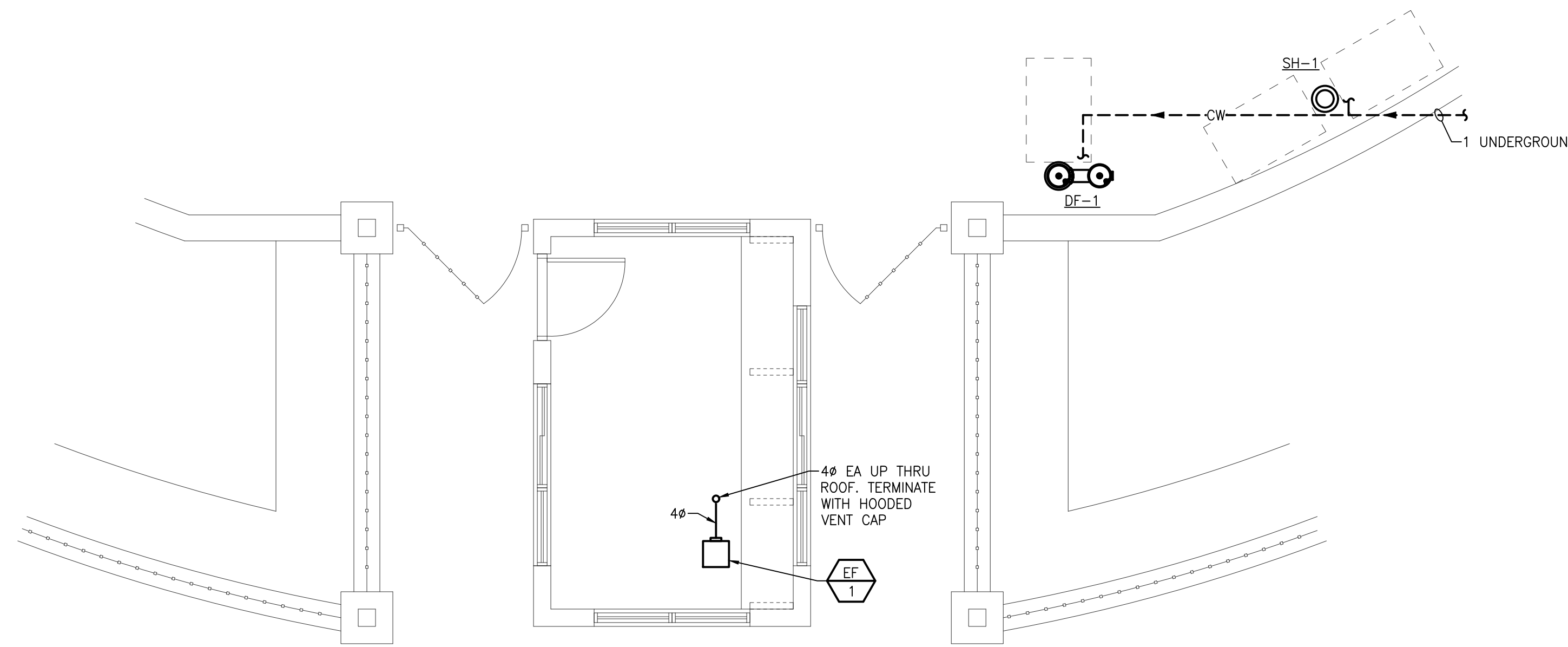


TICKET BOOTH LIGHTING PLAN



**MECHANICAL GENERAL NOTES**

1. THESE DRAWINGS ARE DIAGRAMMATIC & INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE PLUMBING AND HVAC SYSTEMS COMPLETE PER SPECIFICATION, SMACNA STANDARDS, AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS, SPECIAL RADIUS OR MITERED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER STRUCTURAL CONDITIONS.
2. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY WORK.
3. DUCTWORK/PIPING SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT. DUCTWORK/PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
4. THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.
5. COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS ETC. WITH ARCHITECTURAL TRADES.
6. REFER TO ARCHITECTURAL PLANS FOR SPECIFICATIONS AND EXACT LOCATIONS OF FIXTURES (STANDARD AND BARRIER FREE), SINKS, ETC. REFER TO FOOD SERVICE PLANS FOR SPECIFICATIONS AND EXACT LOCATIONS OF FOOD SERVICE EQUIPMENT. REFER TO PLUMBING FIXTURE SCHEDULE FOR CONNECTION SIZES, ACCESSORIES, AND ADDITIONAL INFORMATION.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.
8. PIPING/DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT/ABOVE OF ELECTRICAL EQUIPMENT. PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
9. PIPING SHALL NOT BE INSTALLED IN A LOCATION THAT RESTRICTS THE ACCESS TO MECHANICAL DEVICES REQUIRING ACCESS.
10. PROVIDE CODE REQUIRED CLEARANCE/ACCESS DOORS FOR DAMPERS, VALVES, AND CLEANOUTS LOCATED IN WALLS OR ABOVE HARD CEILINGS, AND LOCATIONS OF CLEANOUTS INSTALLED IN STORM AND SANITARY PIPING. COORDINATE LOCATIONS WITH ARCHITECT. PROVIDE CLEANOUTS AT THE BASE OF ALL STACKS. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPES.
11. FOR EQUIPMENT VALVING, COMPONENT, AND PIPING ARRANGEMENT, REFER TO PIPING DIAGRAMS AND DETAILS.



 **TICKET BOOTH MECHANICAL NETWORK PLAN**  
SCALE: 1/4" = 1'-0"

**EXHAUST FAN SCHEDULE**

UNIT ID	SERVING	TYPE	CFM	ESP (IN WG)	FAN RPM	MOTOR				ELECTRICAL		MODEL NO.	REMARKS
						WATTS	HP	RPM	DRIVE TYPE	VOLTS	PHASE		
EF-1	RESTROOM	CEILING	90	0.25	1,161	20.7	-	-	-	120	1	FV-11VQ5	

**NOTES:**

1. MODEL NUMBERS ARE PANASONIC UNLESS OTHERWISE NOTED.
2. PROVIDE WITH GRAVITY BACKDRAFT DAMPER.
3. CONTROL SHALL BE BY MANUAL MOTOR STARTER PROVIDED BY ELECTRICAL TRADES.
4. PROVIDE WALL CAP AT TERMINATION POINT.

**PLUMBING FIXTURE SCHEDULE**

TAG	BARRIER FREE	ITEM	PIPE CONNECTION SIZES				MANUFACTURER & MODEL NO.	ACCESSORIES
			WASTE	VENT	CW	HW		
DF-1	-	BI-LEVEL DRINKING FOUNTAIN WITH BOTTLE FILLER	2"	1 1/2"	1/2"	-	MOST DEPENDABLE: MODEL #10145 SM, COLOR BLUE	ATTACHED HOSE BIBB
SH-1	Y	OUTDOOR SHOWER	3"	1 1/2"	1/2"	1/2"	OUTDOOR SHOWER COMPANY: MODEL # FTA-SQ86-C-ADA	FOOT SHOWER: FTA-LCT-ASA-FS

**NOTES:**

1. SUPPLY ALL FIXTURES WITH LOOSE KEY STOPS.

**Issue / revision date**

5-09-17	Owner Review
6-06-17	Coordination
6-16-17	Bids

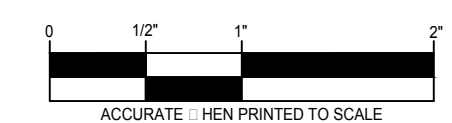
drawn by RHM	checked by JDK
-----------------	-------------------

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project

TICKET BOOTH  
MECHANICAL NEW  
WORK PLAN  
sheet title

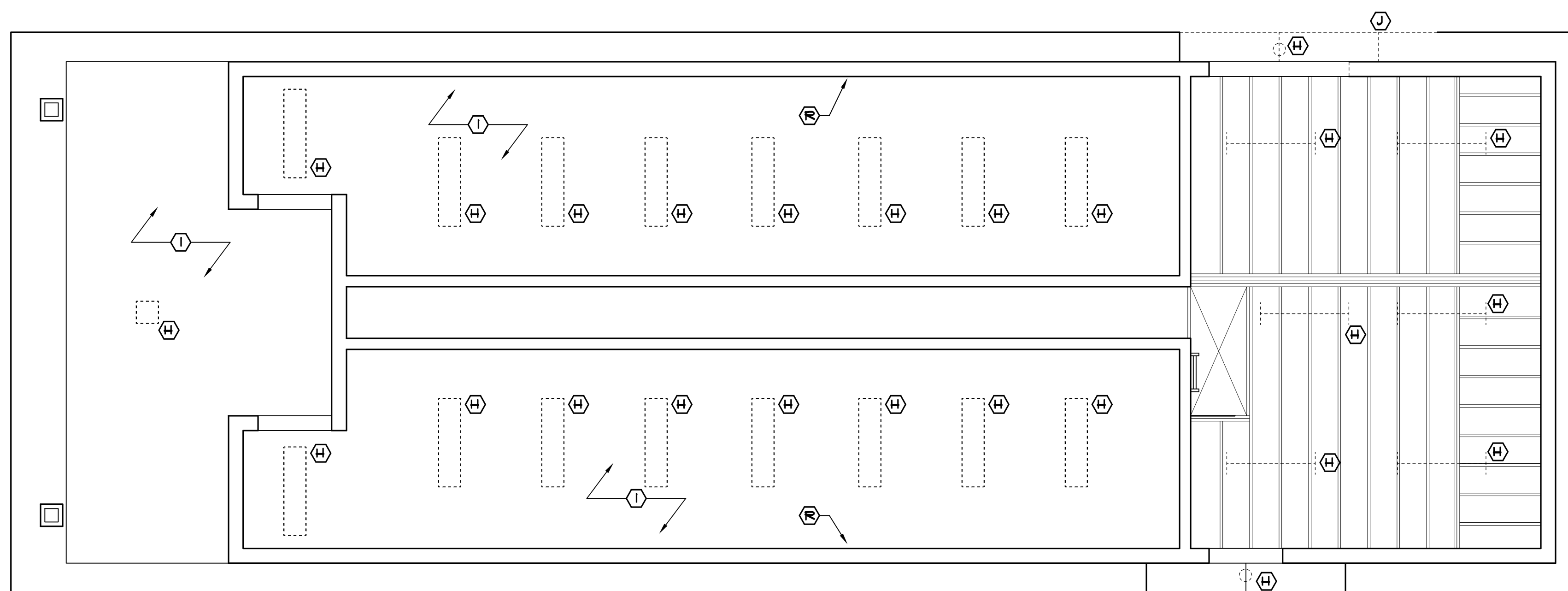
  
Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. 16078A	sheet no. M4.2
-------------------	-------------------

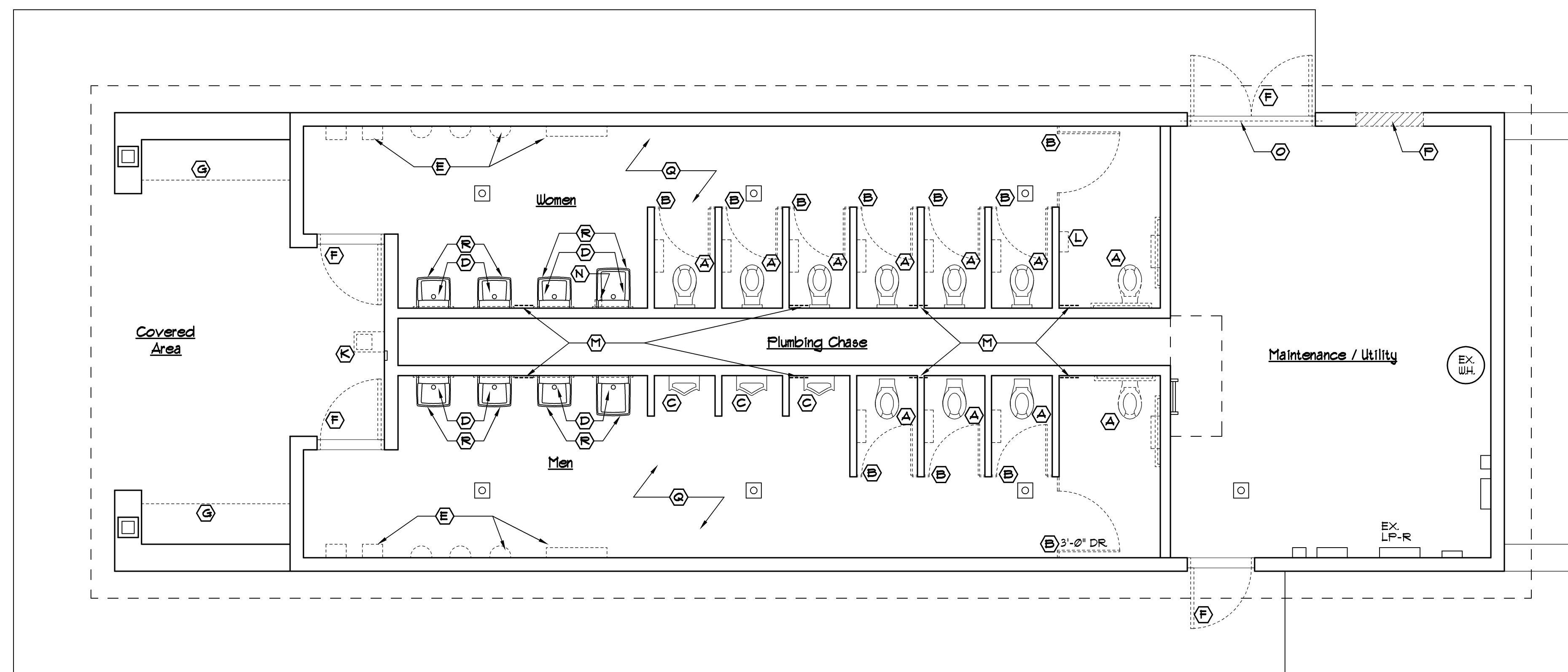




- DEMOLITION KEYED NOTES:**
- (A) REMOVE ALL TOILETS, TOILET PAPER DISPENSERS, "NEAT SEAT" DISPENSERS AND GRAB BARS
  - (B) REMOVE ALL METAL PARTITIONS AND DOORS
  - (C) REMOVE ALL URINALS
  - (D) REMOVE ALL SINKS AND MIRRORS, RECONFIGURE/CAP PLUMBING LINES WITHIN WALL AS NECESSARY (SEE PLUMBING DRAWINGS)
  - (E) REMOVE ALL HAND DRYERS, PAPER TOWEL DISPENSERS, AND BABY CHANGING STATIONS
  - (F) REMOVE ALL DOORS, THRESHOLDS, HARDWARE AND SIGNAGE - FRAMES AT UNMODIFIED OPENINGS TO REMAIN
  - (G) REMOVE EXTERIOR BENCHES
  - (H) REMOVE LIGHT FIXTURES
  - (I) REMOVE PLYWOOD SOFFIT / CEILING
  - (J) DASHED LINE REPRESENTS PORTION OF SOFFIT TO BE MODIFIED PER NEW BUILDING ELEVATIONS
  - (K) REMOVE DRINKING FOUNTAIN AND CAP PLUMBING LINES WITHIN WALL
  - (L) REMOVE CHILD PROTECTION SEAT
  - (M) REMOVE AND REPLACE VENTS (SEE MECHANICAL DRAWING FOR MORE INFORMATION)
  - (N) REMOVE SOAP DISPENSER
  - (O) REMOVE EXISTING DOOR FRAME AND STEEL LINTEL
  - (P) PORTION OF EXISTING CONCRETE BLOCK WALL TO BE REMOVED FOR NEW DOOR
  - (Q) C.T. FLOOR AND BASE TO BE REMOVED
  - (R) REMOVE 1x4 TRIM BD. AT CEILING



**2 Demolition Reflected Ceiling Plan**  
Scale: 1/4" = 1'-0"  
NORTH



**1 Demolition Floor Plan**  
Scale: 1/4" = 1'-0"  
NORTH

architect seal



issue / revision date

3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

drawn by

checked by

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan

Renovated Restrooms &  
Utility Building  
Demolition Floor Plan &  
Demolition Reflected Ceiling Plan

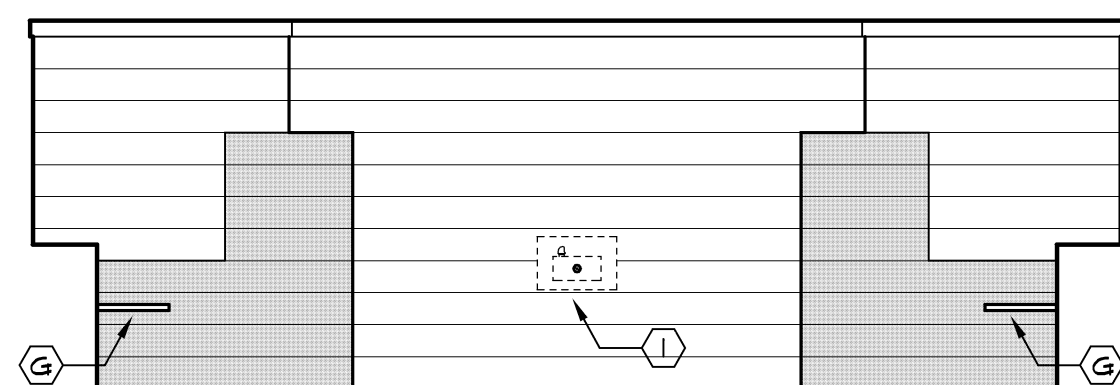
project sheet title

**Dorchen/Martin Associates, Inc.**  
Architects/Planners  
2985 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no.

sheet no.

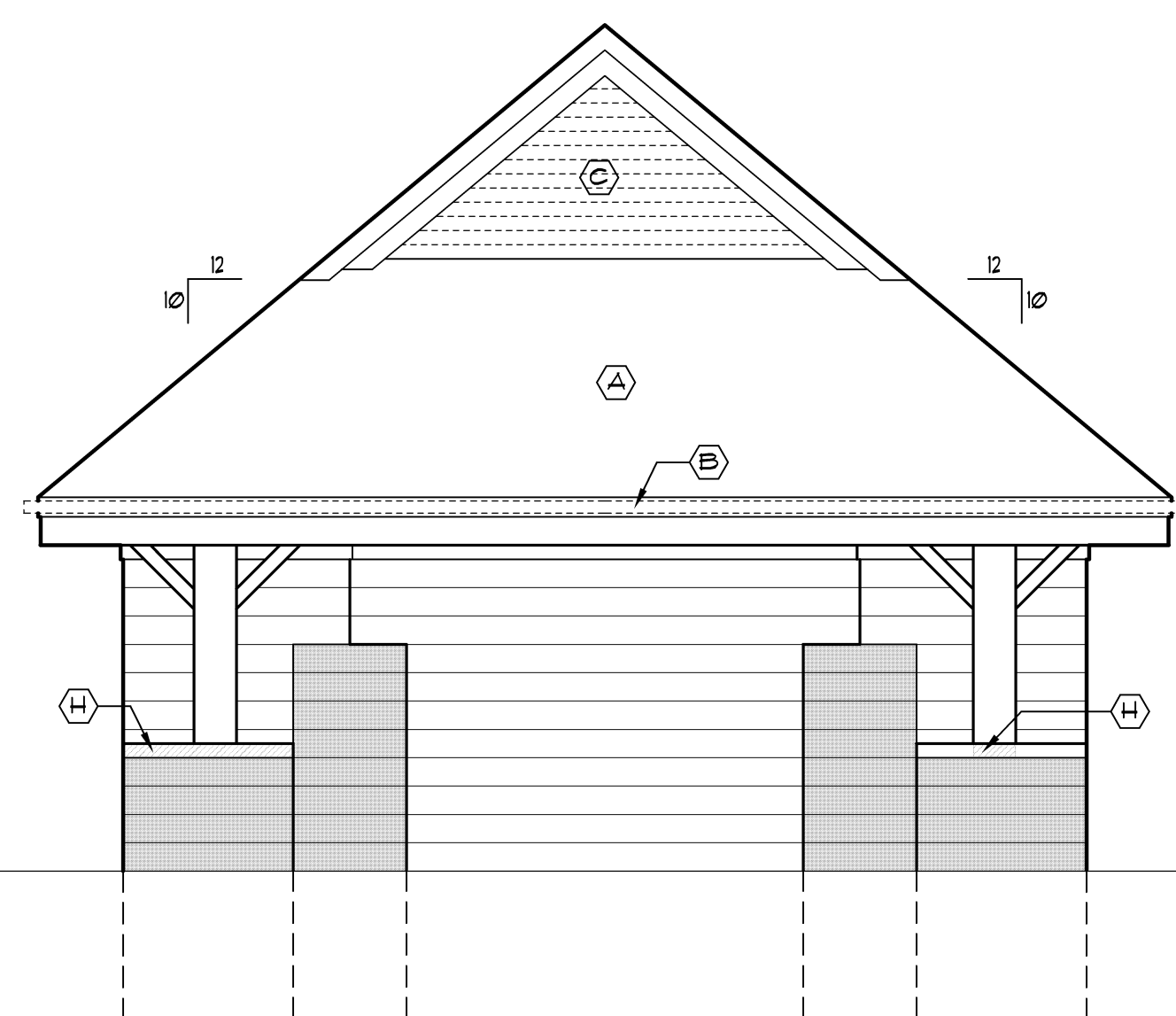
16078A RRB-D1



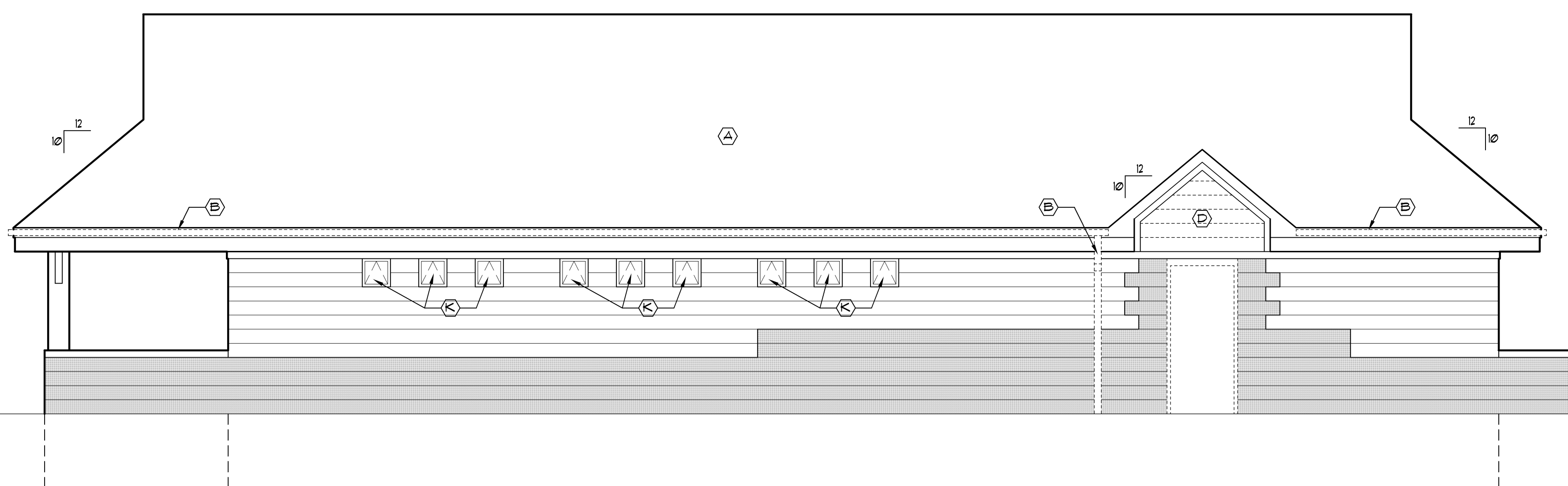
5 Elevation @ Entry Wall  
A3 Scale: 1/4" = 1'-0"

DEMOLITION KEY TAGS	
(A)	REMOVE EXISTING ASPHALT SHINGLES AND UNDERLAYMENT
(B)	REMOVE EXISTING GUTTERS AND DOWNSPOUTS
(C)	REMOVE EXISTING VENTING LOUVERS
(D)	REMOVE EXISTING SIDING
(E)	REMOVE BLOCK AS NECESSARY FOR NEW DOORS (SEE BUILDING ELEVATIONS)
(F)	REMOVE EXISTING DORMER AND OVERHANG AS NECESSARY FOR NEW ELEVATION DESIGN (SEE BUILDING ELEVATIONS)
(G)	REMOVE EXISTING WOOD BENCH
(H)	REMOVE DAMAGED 4" MASONRY CAP TO BE REPLACED (SEE BUILDING ELEVATIONS)
(I)	REMOVE DRINKING FOUNTAIN AND CAP PLUMBING LINES WITHIN WALL
(J)	REPLACE GLAZING IN EXISTING AWNING WINDOWS ON WOMEN'S RESTROOM SIDE
(K)	AWNING WINDOWS TO REMAIN

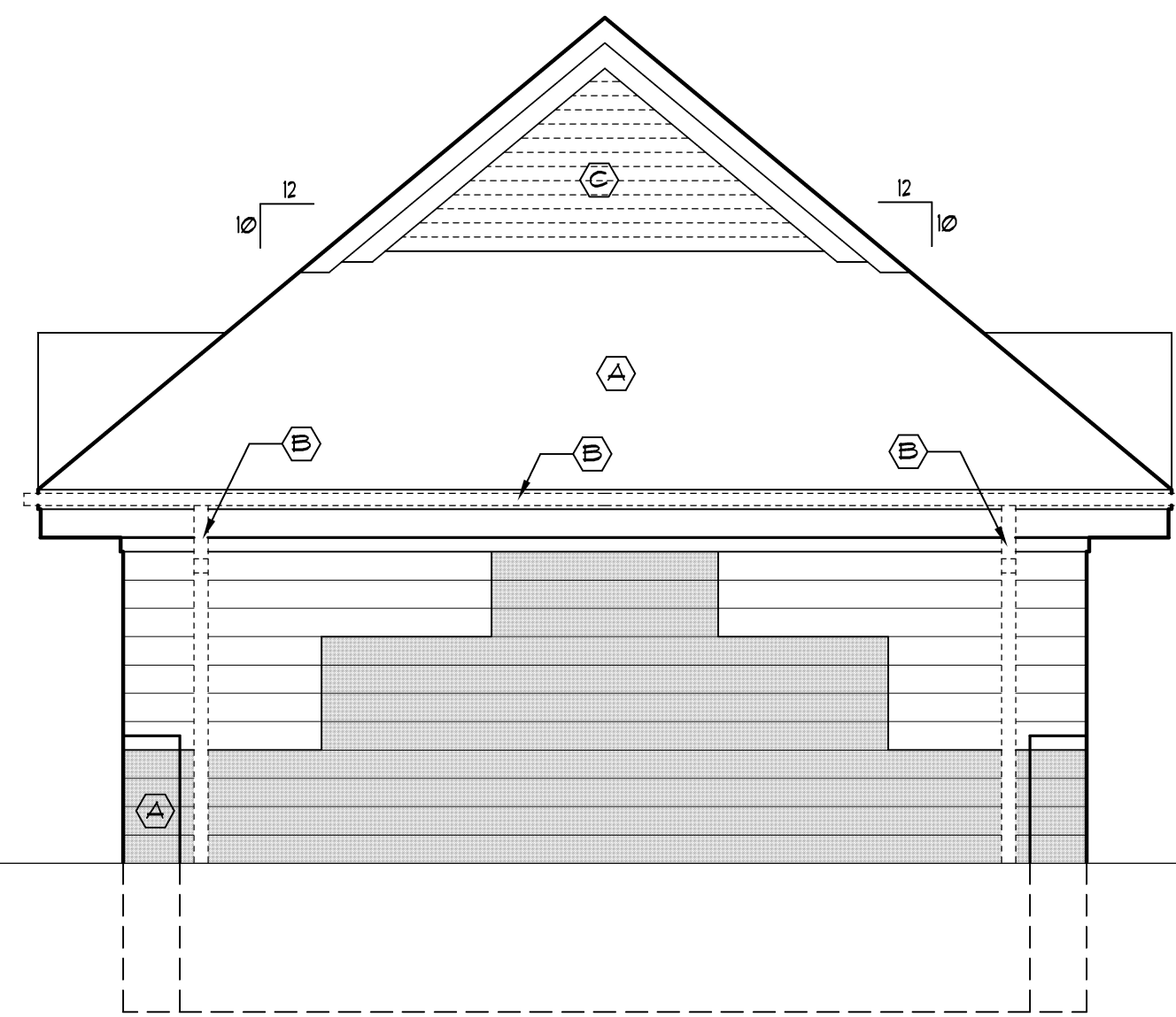
architect seal



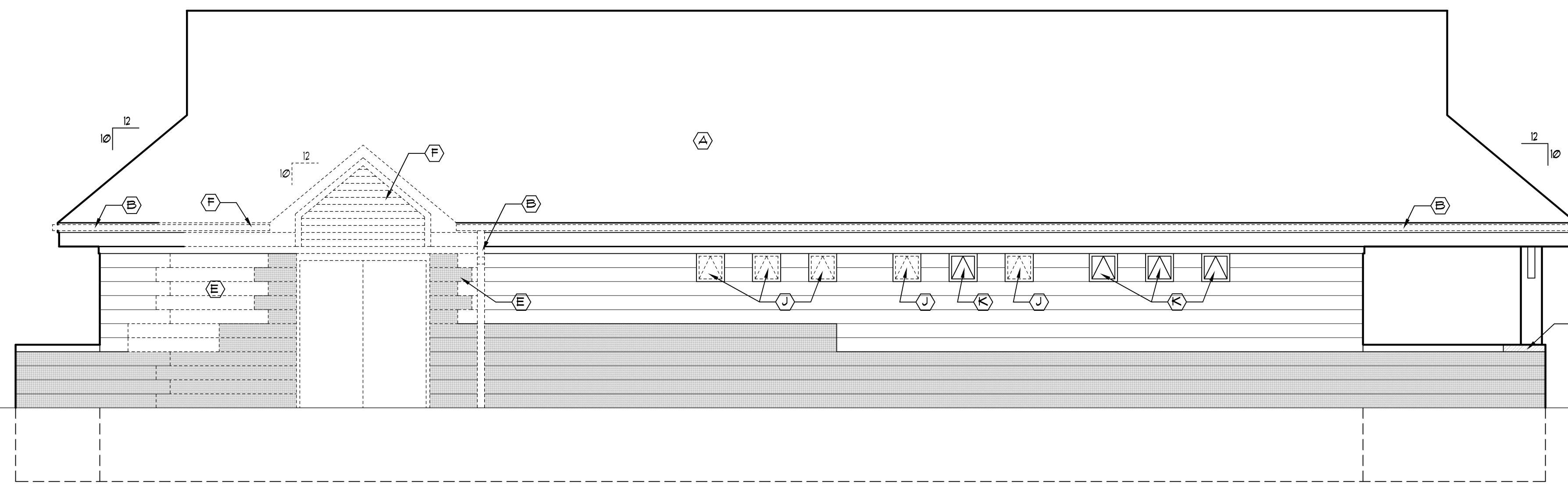
4 West Elevation  
D2 Scale: 1/4" = 1'-0"



3 South Elevation  
D2 Scale: 1/4" = 1'-0"



2 East Elevation  
D2 Scale: 1/4" = 1'-0"



1 North Elevation  
D2 Scale: 1/4" = 1'-0"



issue / revision date

3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

drawn by

checked by

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan

Renovated Restrooms &  
Utility Building  
Demolition Elevations



Dorchen/Martin Associates, Inc.  
Architects/Planners  
2985 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no.

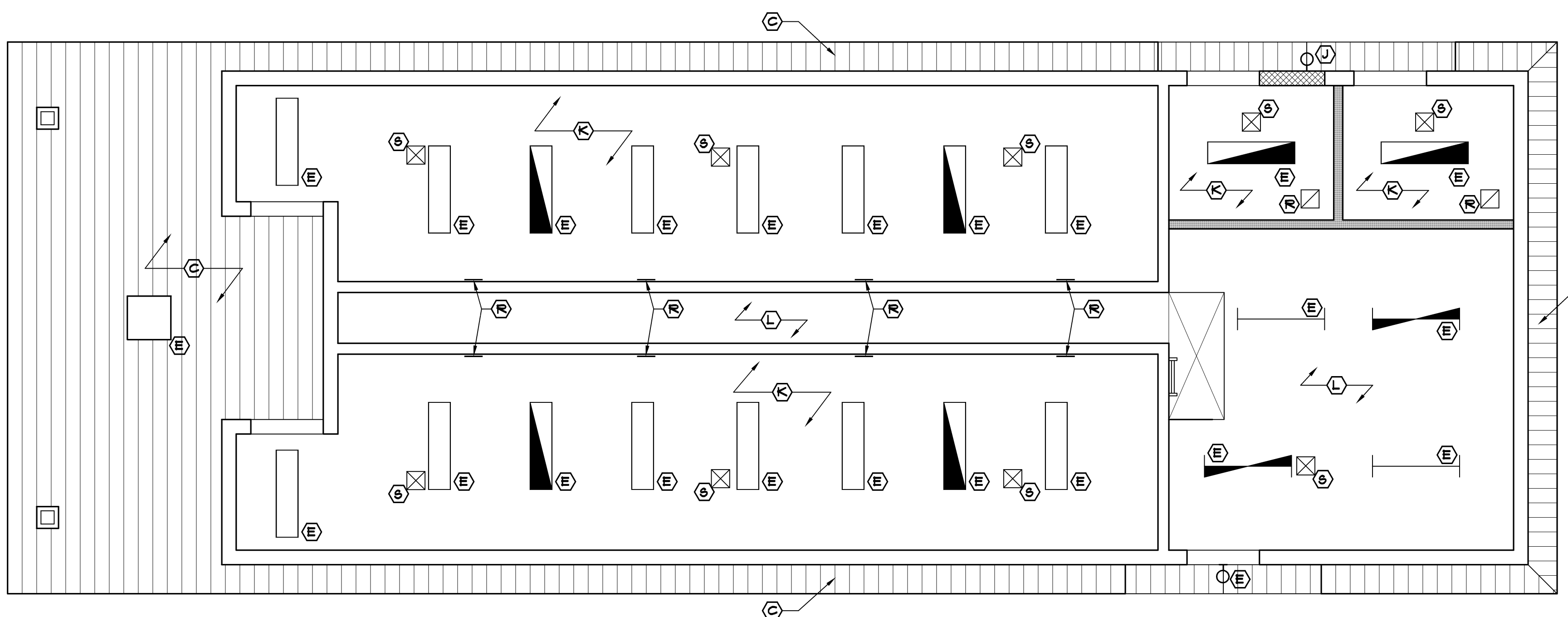
sheet no.

16078A

RRB-D2

CONSTRUCTION KEYED NOTES:

- (A) TIMBERFORM GREENWAY MODEL NO. 2144-6 6' LONG WALL-MOUNTED BENCH MOUNTED AT 1'-4" AFF. (OR EQUAL)
- (B) NEW MIRROR (SEE INTERIOR ELEVATIONS)
- (C) 5/16", 8" GROOVE FIBER CEMENT SOFFIT PANEL - PAINT
- (D) NEW DRINKING FOUNTAIN (SEE PLUMBING DIAGS)
- (E) NEW LIGHT FIXTURE (SEE ELECTRICAL DRAWINGS)
- (F) NEW CONCRETE WALK AND SUPPORTED SLAB TO ALIGN WITH EXISTING (SEE DTL2/A1 FOR PARTIAL FOUNDATION PLAN)
- (G) INSULATE CORES IN ALL EXTERIOR BLOCK WALLS
- (H) NEW INTERIOR WALL CONSTRUCTION - 5/8" ABUSE AND MOISTURE RESISTANT GYP. BD. - PAINTED 3-5/8" METAL STUD SOUND INSULATION 5/8" ABUSE AND MOISTURE RESISTANT GYP. BD. - PAINTED
- (I) NEW INTERIOR WALL CONSTRUCTION - 5/8" ABUSE AND MOISTURE RESISTANT GYP. BD. - PAINTED 6" METAL STUD SOUND INSULATION 5/8" ABUSE AND MOISTURE RESISTANT GYP. BD. - PAINTED
- (J) RELOCATE ELECTRIC BOX AND NEW LIGHT FIXTURE (SEE ELECTRICAL DIAGS)
- (K) NEW MOISTURE RESISTANT GYP. BD. CEILING - PAINT. CEILING TO BE ATTACHED TO UNDERSIDE OF EXISTING ROOF TRUSSES.
- (L) NEW PLYWOOD CEILING - PAINT. CEILING TO BE ATTACHED TO UNDERSIDE OF EXISTING ROOF TRUSSES.
- (M) NEW 5'-0" WIDE CONCRETE WALK (SEE ARCHITECTURAL SITE PLAN AND CIVIL DRAWINGS)
- (N) EXISTING CONCRETE WALK
- (O) RESURFACED ASPHALT PATH (SEE ARCHITECTURAL SITE PLAN & CIVIL DRAWINGS)
- (P) (2) 4" x 3-1/2" x 5/16" ANGLE
- (Q) LINE REPRESENTS NEW 2x6 STUD PARTITION WALL FOR INSULATION BREAK IN ATTIC
- (R) NEW EXHAUST FAN (SEE MECHANICAL DRAWINGS)
- (S) NEW SUPPLY AIR DIFFUSER (SEE MECHANICAL DRAWINGS)
- (T) FLOOR DRAIN (SEE PLUMBING DRAWINGS)
- (U) NEW FURNACE (SEE PLUMBING DRAWINGS)

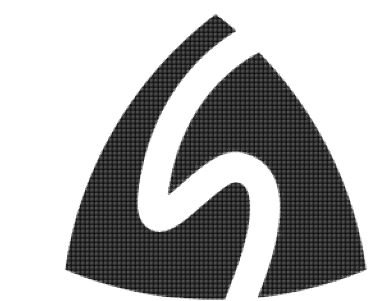


4 Reflected Ceiling Plan  
Scale: 1/4" = 1'-0"

- NOTES:
- DIMENSIONS ARE TO FINISHED SURFACES.
  - FOR PLUMBING FIXTURE SCHEDULE SEE PLUMBING DRAWINGS.
  - PROVIDE SOUND INSULATION IN ALL NEW TOILET ROOM WALLS.
  - PROVIDE SOLID BLOCKING AS REQUIRED FOR ANCHORING OF GRAB BARS, COUNTERS, HARDWARE, ETC.

TOILET ROOM FIXTURES LEGEND

BF.	BARRIER-FREE	BCS	BABY CHANGING STATION
S.D.	SOAP DISPENSER	WR	WASTE RECEPTACLE
T.P.	TOILET PAPER HOLDER	WC	WATER CLOSET
WC	WATER CLOSET	HD.	ELECT. HAND DRYER
HD.	ELECT. HAND DRYER		



Issue / revision date

3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

drawn by \_\_\_\_\_ checked by \_\_\_\_\_

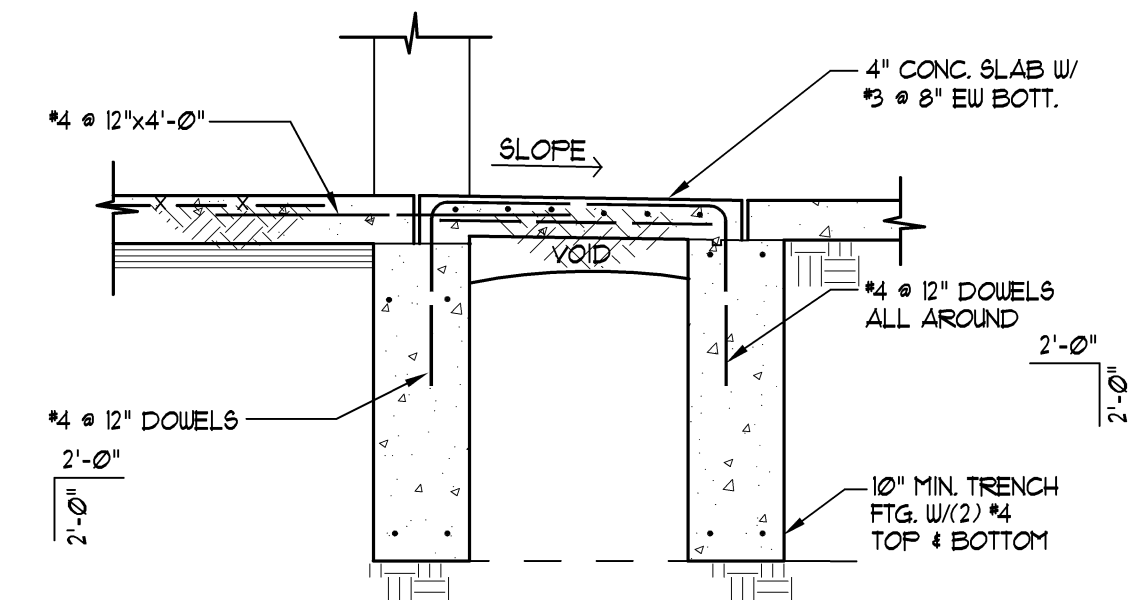
City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan

Renovated Restrooms & Utility Building  
Floor Plan & Reflected Ceiling Plan

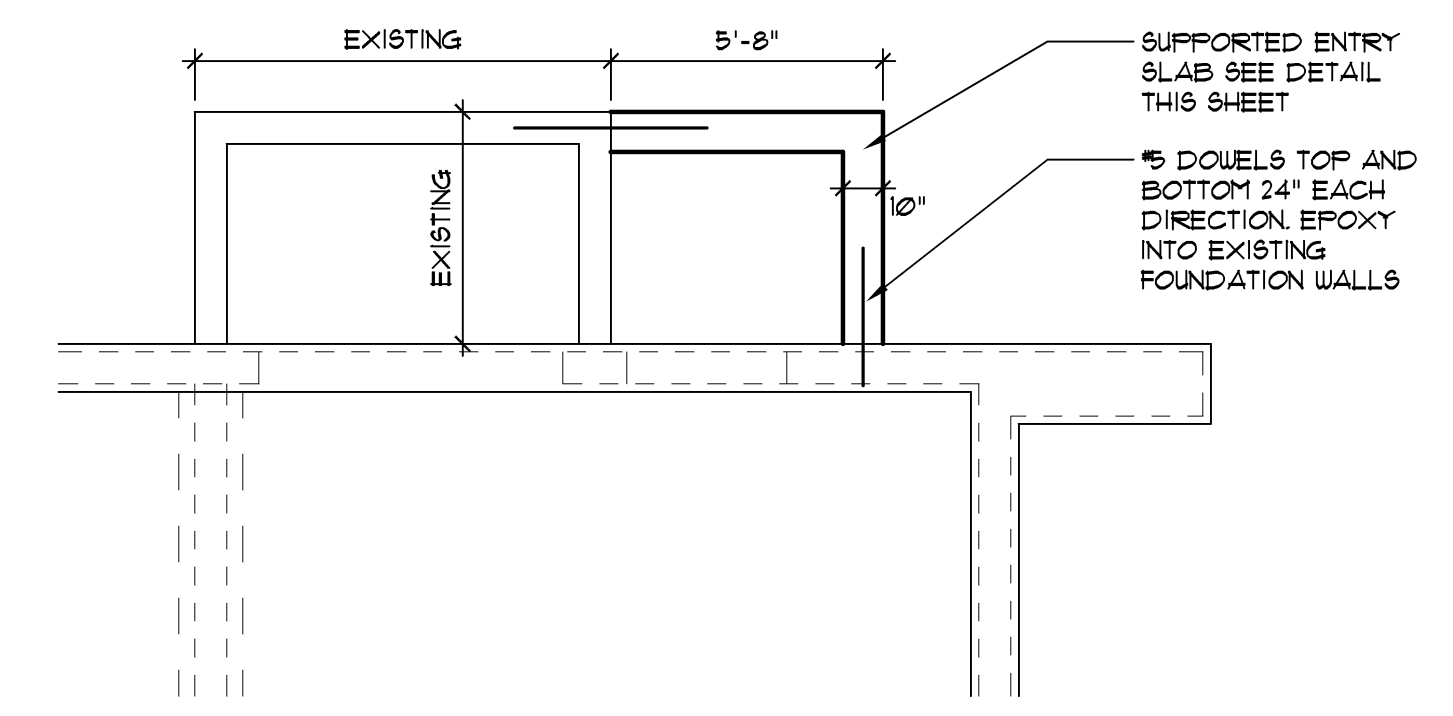
project \_\_\_\_\_ sheet title \_\_\_\_\_

Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

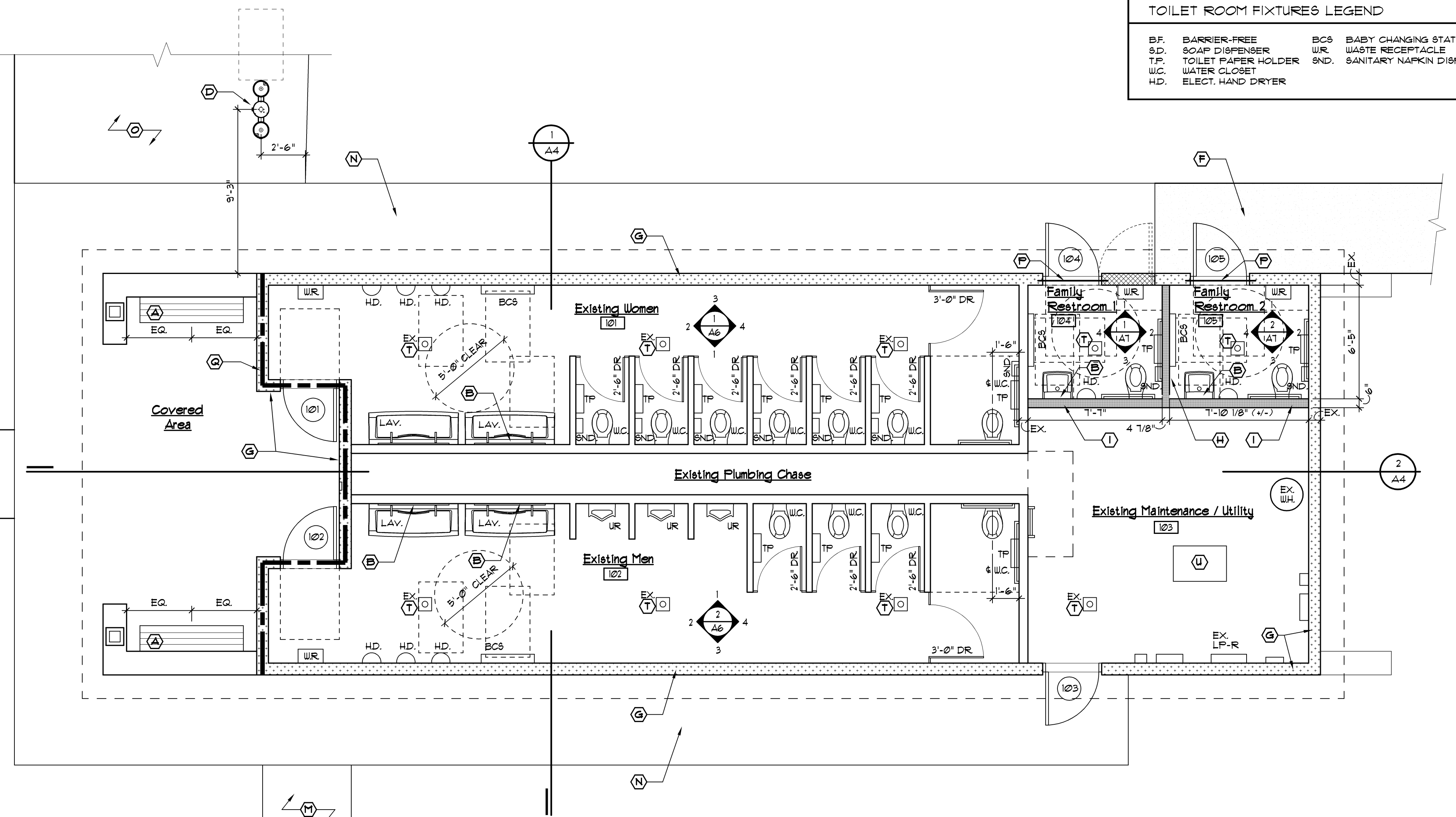
job no. \_\_\_\_\_ sheet no. \_\_\_\_\_  
16078A RRB-A1



3 Supported Slab Detail  
Scale: Not to Scale



2 Partial Foundation Plan  
Scale: 1/4" = 1'-0"



1 Floor Plan  
Scale: 1/4" = 1'-0"



# ROOM FINISH SCHEDULE

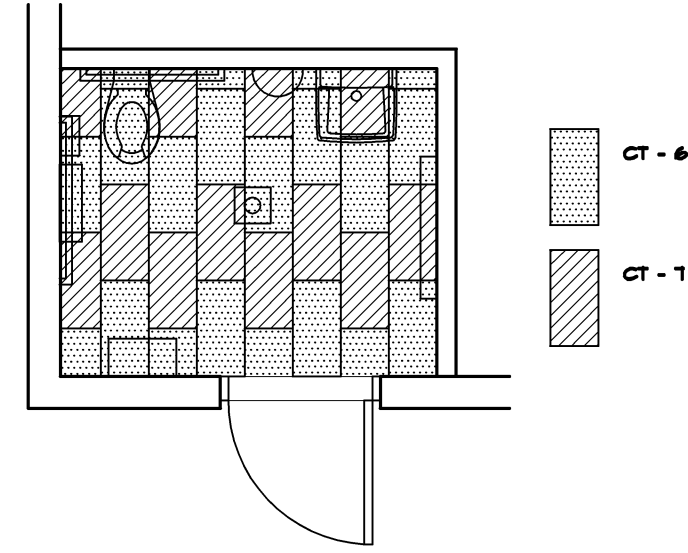
ROOM NO.	ROOM NAME	FLOOR	BASE	CEILING			WALLS				REMARKS
				MTL.	HGT.	FINISH	N	E	S	W	
101	EXISTING WOMEN'S RESTROOM	C.T.-6,1,8,9	C.T. - 6	GYP. BD.	9'-4"	PT. - 4	MAS./PT. - 3	MAS./PT. - 3	MAS./PT. - 3	MAS./PT. - 3	SEE CT TILE PATTERN TYPICAL
102	EXISTING MEN'S RESTROOM	C.T.-6,1,8,9	C.T. - 6	GYP. BD.	9'-4"	PT. - 4	MAS./PT. - 3	MAS./PT. - 3	MAS./PT. - 3	MAS./PT. - 3	SEE CT TILE PATTERN TYPICAL
103	EXISTING MAINTENANCE/UTILITY	-	-	PLYWOOD	9'-4"	PT. - 4	MAS./PT. - 3	MAS./PT. - 3	MAS./PT. - 3	MAS./PT. - 3	
104	FAMILY RESTROOM 1	C.T. - 6 & 7	C.T. - 5	GYP. BD.	9'-4"	PT. - 4	MAS./PT. - 3	GYP./PT. - 8 C.T. - 5	GYP./PT. - 8 C.T. - 5	MAS./PT. - 3	SEE CT TILE PATTERN TYPICAL
105	FAMILY RESTROOM 2	C.T. - 6 & 7	C.T. - 5	GYP. BD.	9'-4"	PT. - 4	MAS./PT. - 3	MAS./PT. - 3	GYP./PT. - 8 C.T. - 5	GYP./PT. - 8 C.T. - 5	SEE CT TILE PATTERN TYPICAL

## MATERIAL KEY

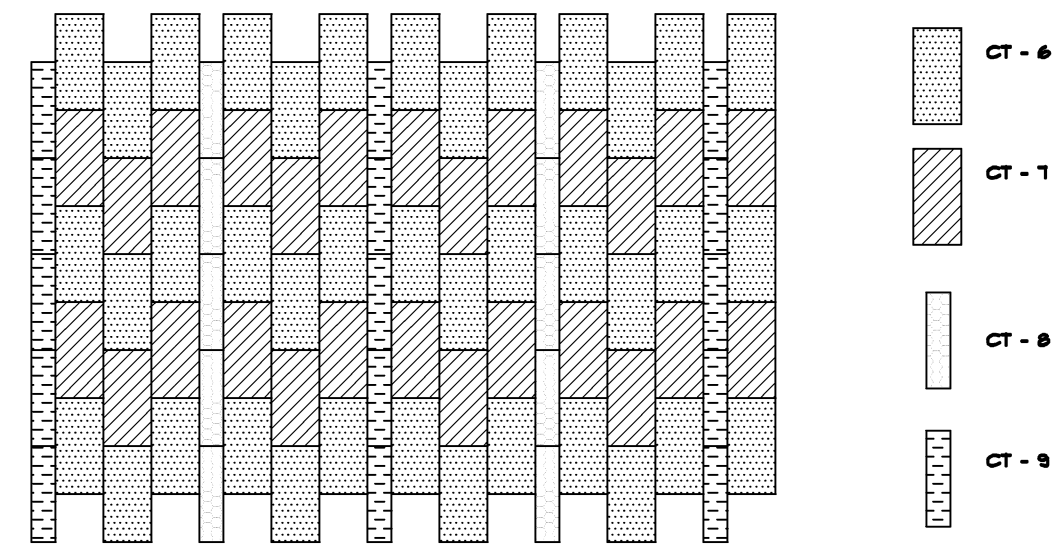
ACT	= ACOUSTIC CEILING TILE
ACC	= ACOUSTIC CEILING CANOPY
AL/GL.	= ALUMINUM & GLASS
CAB.	= CABINETRY
CONC.	= CONCRETE
CPT.	= CARPET
C.T.	= CERAMIC TILE
C.T.B.	= CERAMIC TILE BASE
E.C.	= EXPOSED CONSTRUCTION
EFNT.	= EPOXY PAINT
FUC.	= FABRIC WALL COVERING
G.B.	= GYPSUM BOARD
MAS.	= MASONRY
PFKD.	= PRE-FIN. METAL KNOCK DOWN FRAME
P. LAM.	= PLASTIC LAMINATE
PT.	= PAINT
PRE-FIN.	= PRE-FINISHED
R.B.	= RUBBER BASE
WD.	= STAINED WOOD
V.B.	= VINYL BASE
VCT.	= VINYL COMPOSITION TILE
VSF.	= VINYL SHEET FLOORING
VWC.	= VINYL WALL COVERING
WP	= WALL PROTECTION

## GENERAL REMARKS

- FLOOR MATERIAL CHANGES OCCUR AT CENTERLINE OF DOOR.
- ACCESS PANELS, ELECTRICAL PANELS, HVAC REGISTERS & FIRE EXTINGUISHER CABINETS SHALL BE PRE-FINISHED OR PAINTED TO MATCH ADJACENT WALLS OR CEILINGS.
- ALL DOOR & WINDOW FRAMES TO RECEIVE A CONTINUOUS BEAD OF SEALANT AT ALL PERIMETER EDGES.
- ALL EXPOSED STEEL SHALL BE PAINTED.
- REFER TO REFLECTED CEILING PLANS AND SECTIONS WHERE CEILING HEIGHT VARIES.
- ALL GYPSUM BOARD SOFFITS SHALL BE PAINTED.



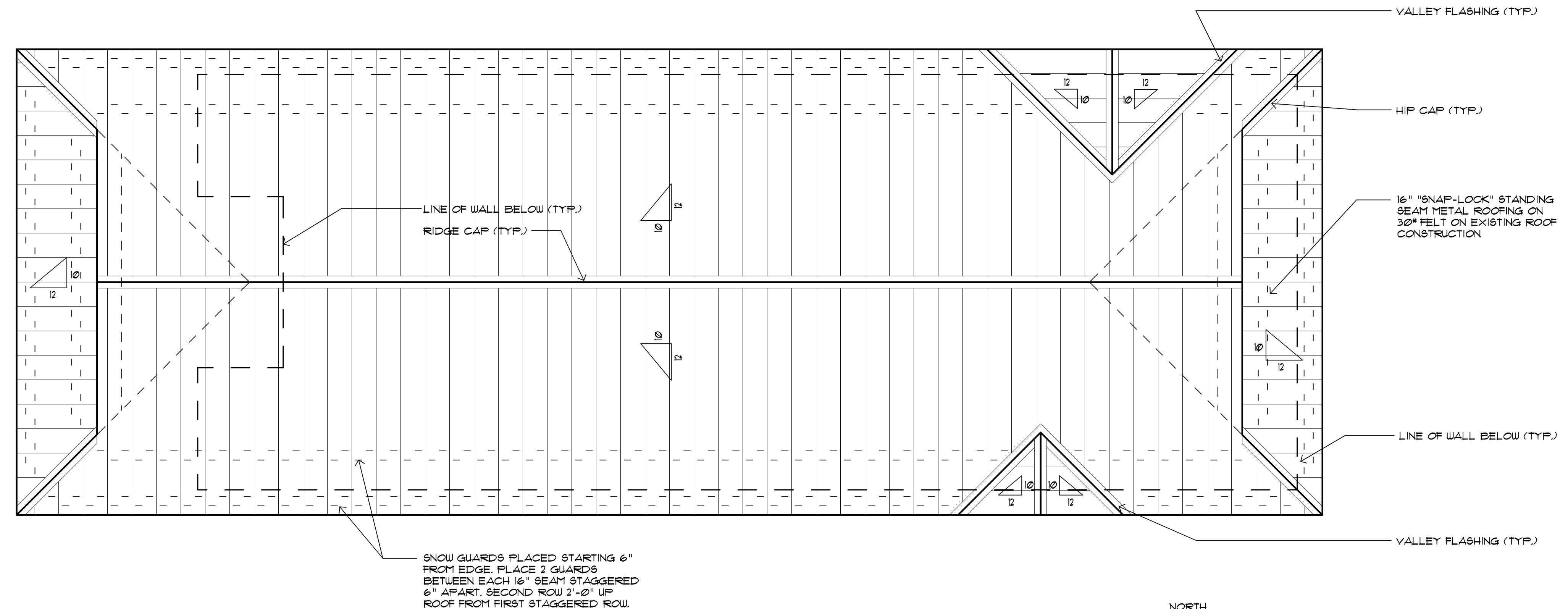
TYPICAL TOILET ROOM 104 & 105 CERAMIC TILE PATTERN  
NTA



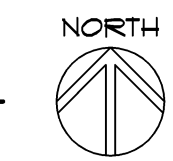
TYPICAL TOILET ROOM 101 & 102 CERAMIC TILE PATTERN  
NTA

202 THRESHOLD DETAIL  
SCALE: 3" = 1'-0"

201 JAMB DETAIL  
SCALE: 1 1/2" = 1'-0"



2 Roof Plan  
Scale: 1/4" = 1'-0"



# DOOR SCHEDULE

DOOR NO.	DOOR SIZE	DOOR			HDUR. SET	FRAME			DETAILS			LABEL	CODED REMARKS
		TYPE	MAT'L.	FINISH		TYPE	MAT'L.	FINISH	SILL	JAMB	HEAD		
101	3'-0"x7'-0"x1-3/4"	B	H.M.	PAINT	-	EX.	H.M.	PAINT	202	-	-	-	1, 5, 10, 12, 13, 14
102	3'-0"x7'-0"x1-3/4"	B	H.M.	PAINT	-	EX.	H.M.	PAINT	202	-	-	-	1, 5, 10, 12, 13, 14
103	3'-0"x7'-0"x1-3/4"	A	H.M.	PAINT	-	EX.	H.M.	PAINT	202	-	-	-	1, 5, 11, 14, 15
104	3'-0"x7'-0"x1-3/4"	B	H.M.	PAINT	-	FI	H.M.	PAINT	202	201	-	-	1, 5, 9, 10, 14
105	3'-0"x7'-0"x1-3/4"	B	H.M.	PAINT	-	FI	H.M.	PAINT	202	201	-	-	1, 5, 10, 12, 13, 14

## ABBREVIATIONS

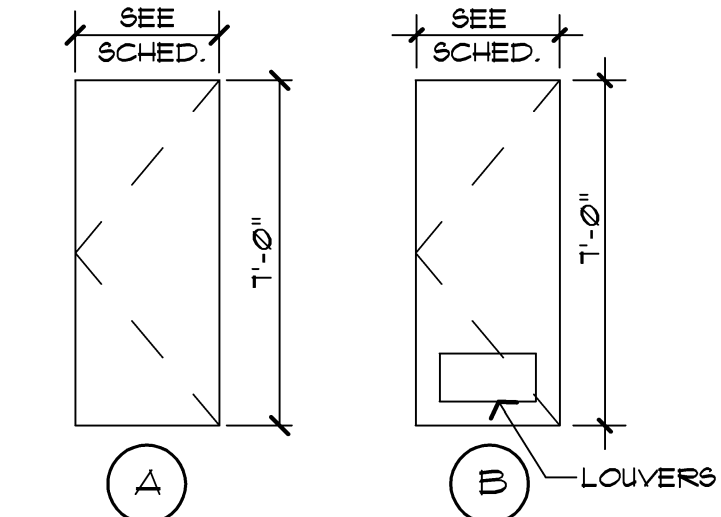
AL/GL.	= ALUMINUM & GLASS
ALUM.	= ALUMINUM
CANOD.	= CLEAR ANODIZED
BI.	= BI-FOLD
H.M.	= HOLLOW METAL
H.M.K.D.	= HOLLOW METAL KNOCK DOWN
GL.	= GLASS
MANF.	= BY MANUFACTURER
O.H.	= OVERHEAD DOOR
PFKD.	= PRE-FIN. METAL KNOCK DOWN FRAME
P. LAM.	= PLASTIC LAMINATE
PRE-FIN.	= PRE-FINISHED
STL.	= STEEL
S.V.	= STAIN & VARNISH (FIELD FINISHED)
WD.	= WOOD, SOLID CORE

## CODED REMARKS

- CLOSER
- SAFETY GLASS VISION LITE
- SAFETY GLASS SIDE LITE
- VINYL CARPET TO TILE JOINER
- METAL THRESHOLD
- MARBLE THRESHOLD
- VINYL REDUCING STRIP
- TERRAZZO STRIP
- GROUT FILLED FRAME
- LIMIT DOOR TO 90° SWING
- DOOR TO OPEN 135°
- PUSH / PULL
- WALL MOUNTED DOOR STOP
- WEATHER STRIPPING
- KICK DOWN DOOR STOP

## GENERAL DOOR & FRAME NOTES

- ALL DOOR FRAMES ARE TO RECEIVE CONTINUOUS BEAD OF SEALANT AT PERIMETER - BOTH SIDES.
- ALL H.M. FRAMES SHALL BE GROUT FILLED.
- ALL H.M. DOORS TO BE GALVANIZED, PAINTED



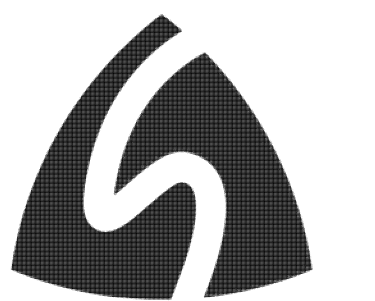
## DOOR TYPES

NO SCALE



## FRAME TYPES

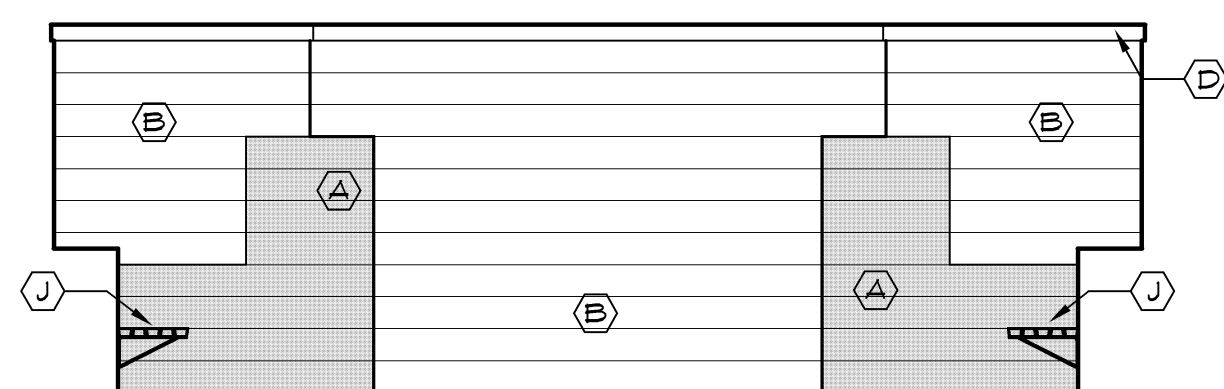
NO SCALE



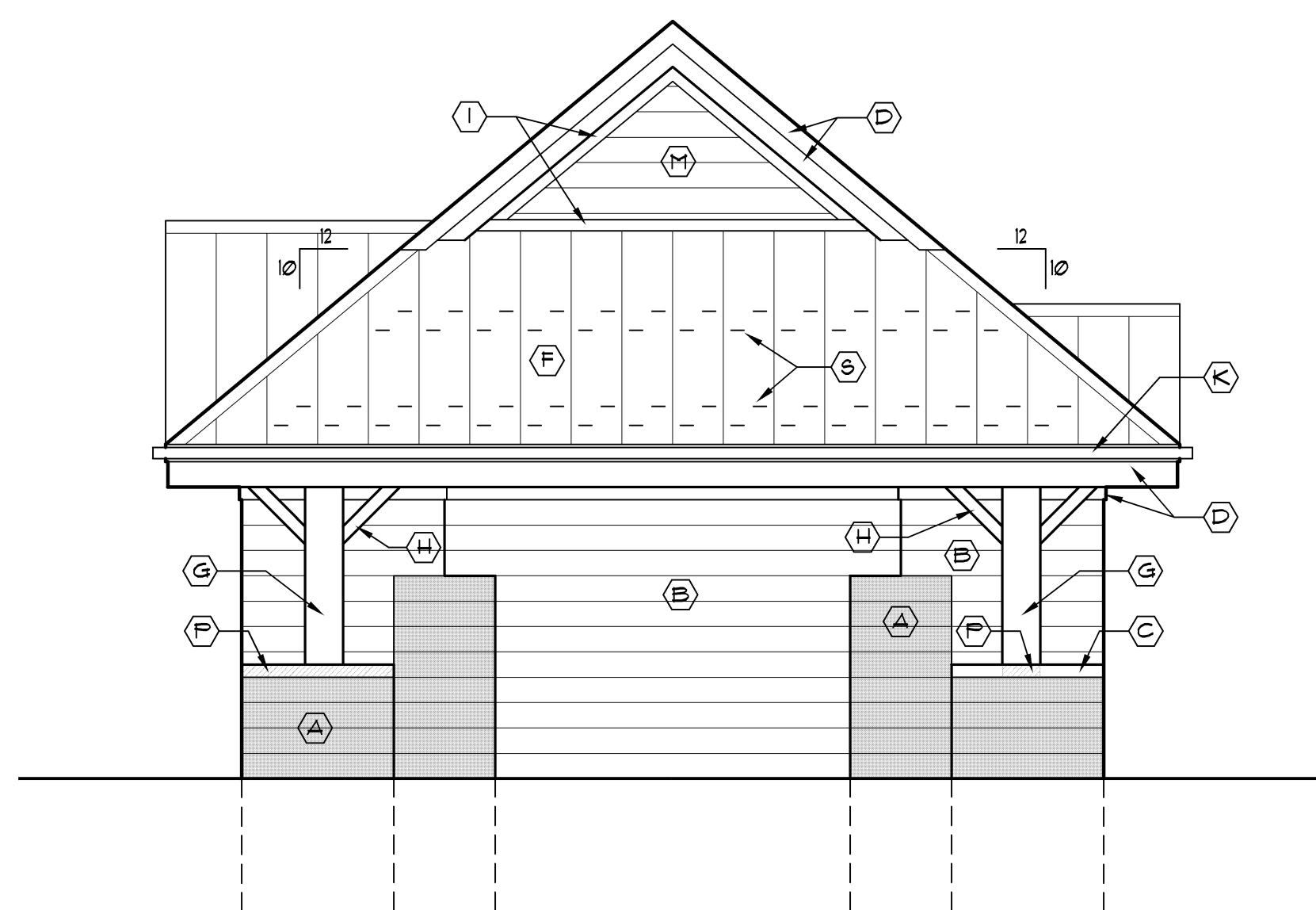
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

**EXTERIOR FINISH MATERIAL SCHEDULE**

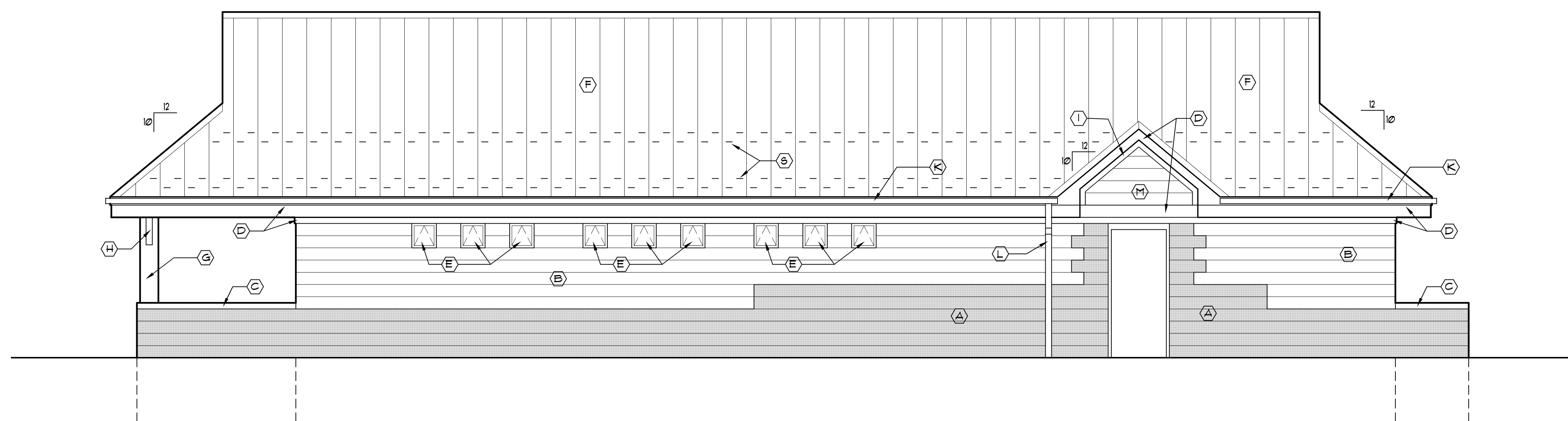
- (A) EXISTING SPLIT FACE CONC. BLOCK TO REMAIN
- (B) EXISTING SMOOTH FACE CONC. BLOCK TO REMAIN
- (C) EXISTING MASONRY CAP TO REMAIN
- (D) COVER EXISTING FASCIA/TRIM WITH ALUMINUM FACING - COLOR TO BE SELECTED
- (E) EXISTING AWNING WINDOW IN ANOD. ALUM. FRAME TO REMAIN
- (F) NEW "SNAP LOCK" STANDING BEAM METAL ROOF ON 3/8" FELT ON EXISTING ROOF CONSTRUCTION
- (G) EXISTING CEDAR CLAD POST - PAINT
- (H) EXISTING 4x4 CEDAR BRACKET - PAINT
- (I) 5/4x4 SMOOTH FACE FIBER CEMENT TRIM BD. - PAINT COLOR TO BE SELECTED
- (J) TIMBERFORM GREENWAY MODEL NO. 2144-6 6' LONG WALL-MOUNTED BENCH MOUNTED AT 1'-4" AFF. (OR EQUAL)
- (K) NEW PRE-FIN. ALUM. GUTTER - COLOR TO BE SELECTED
- (L) NEW PRE-FIN. ALUM. DOWN SPOUT - COLOR TO BE SELECTED
- (M) WOODTONE RUSTIC SERIES FIBER CEMENT LAP SIDING 1" EXPOSURE #11 WINCHESTER BROWN
- (O) REPLACE GLAZING IN EXISTING ALUMINUM FRAME AWNING WINDOW
- (P) REPLACE EXISTING DAMAGED 4" MASONRY CAP MATCH EXISTING FINISH AND COLOR
- (Q) MASONRY INFILL TO MATCH (A)
- (R) MASONRY INFILL TO MATCH (B)
- (S) SNOW GUARDS - SEE ROOF PLAN FOR PLACEMENT



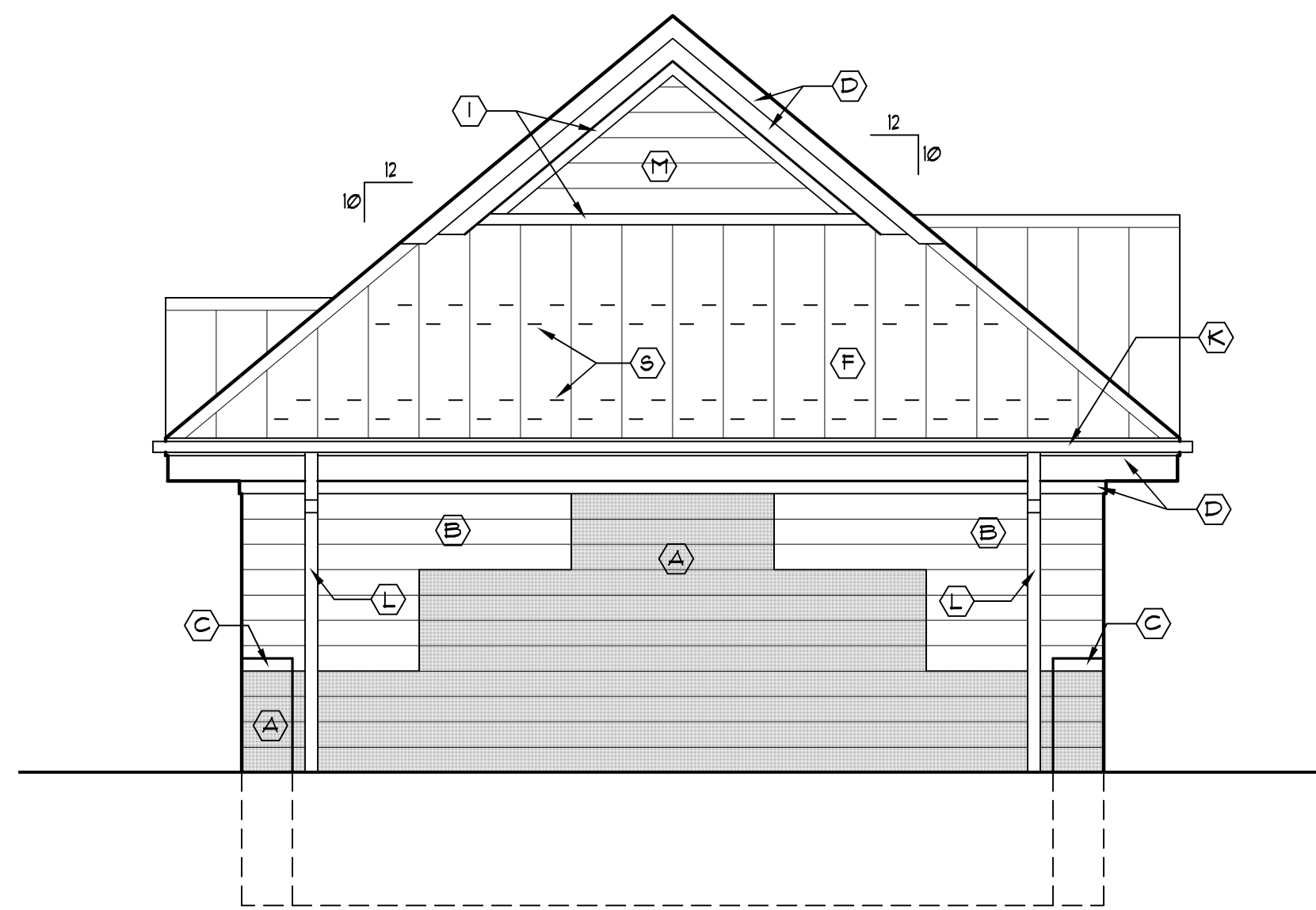
**5 Elevation @ Entry Wall**  
A3 Scale: 1/4" = 1'-0"



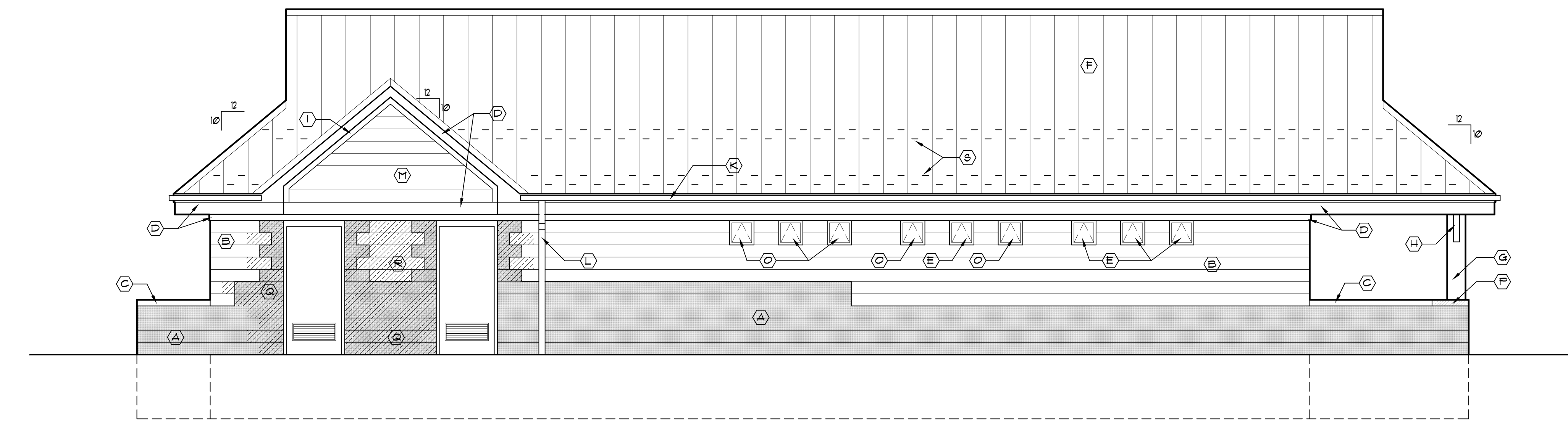
**4 West Elevation**  
A3 Scale: 1/4" = 1'-0"



**3 South Elevation**  
A3 Scale: 1/4" = 1'-0"



**2 East Elevation**  
A3 Scale: 1/4" = 1'-0"



**1 North Elevation**  
A3 Scale: 1/4" = 1'-0"

architect seal



Issue / revision date	Review
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

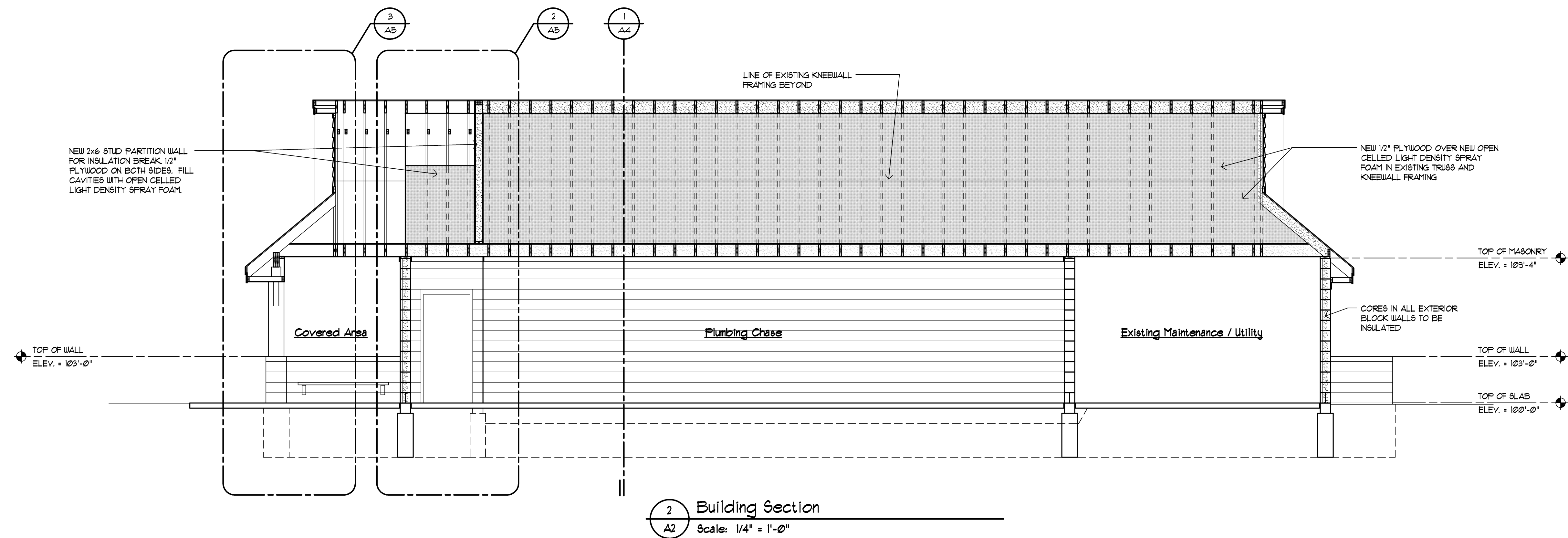
drawn by \_\_\_\_\_ checked by \_\_\_\_\_

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project

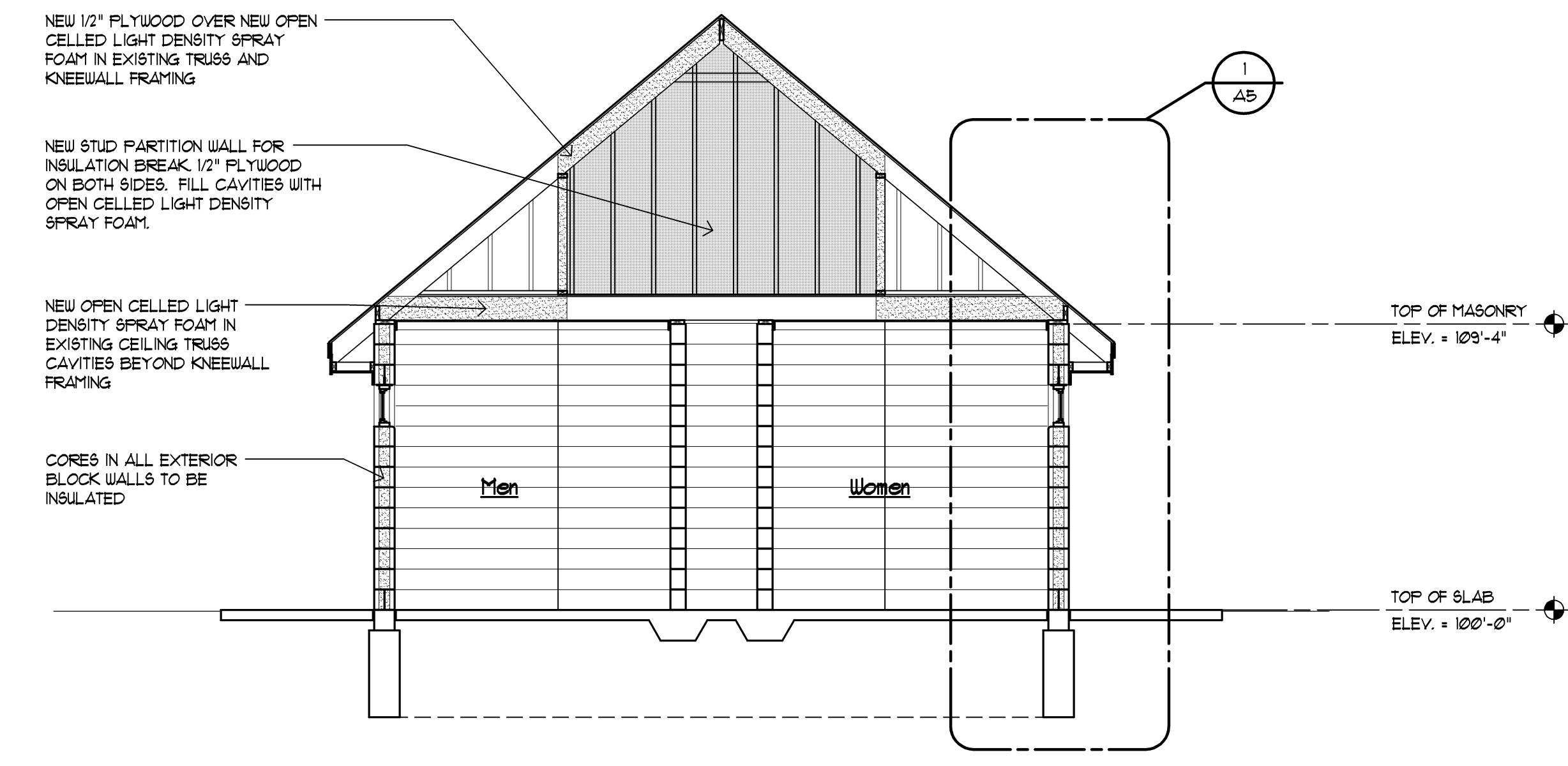
Renovated Restrooms &  
Utility Building  
Building Elevations  
sheet title

**Dorchen/Martin Associates, Inc.**  
Architects/Planners  
2985 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. **16078A** sheet no. **RRB-A3**



2 Building Section  
A2 Scale: 1/4" = 1'-0"



1 Building Section  
A1 Scale: 1/4" = 1'-0"



issue / revision date
3-7-17 Prelim. Review
3-21-17 Prelim. Review
5-9-17 Prelim. Review
5-16-17 Prelim. Review
6-7-17 City Review
6-19-17 Bids

drawn by checked by

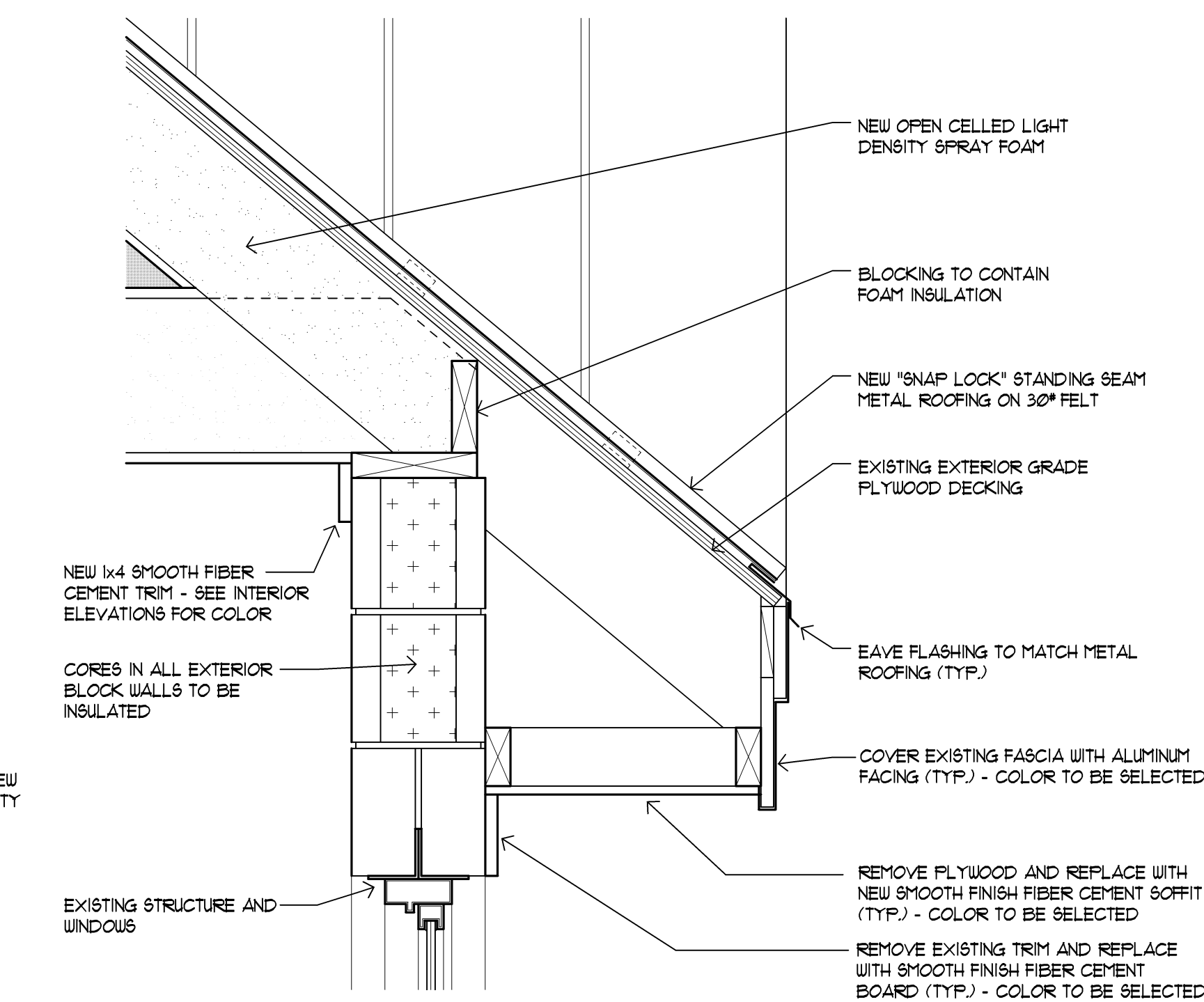
City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
Renovated Restrooms &  
Utility Building  
Building Sections

Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

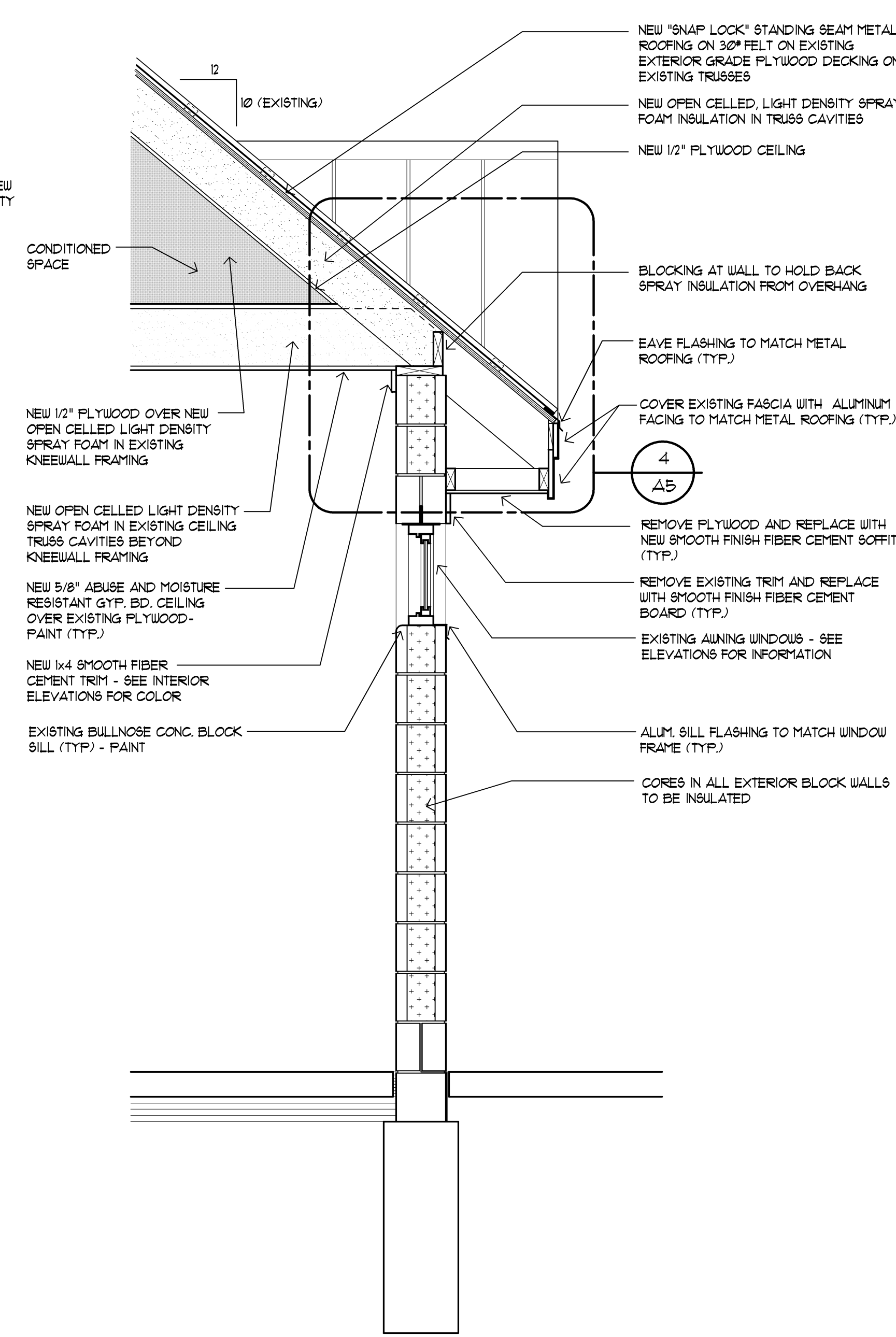
job no. sheet no.  
16078A RRB-A4



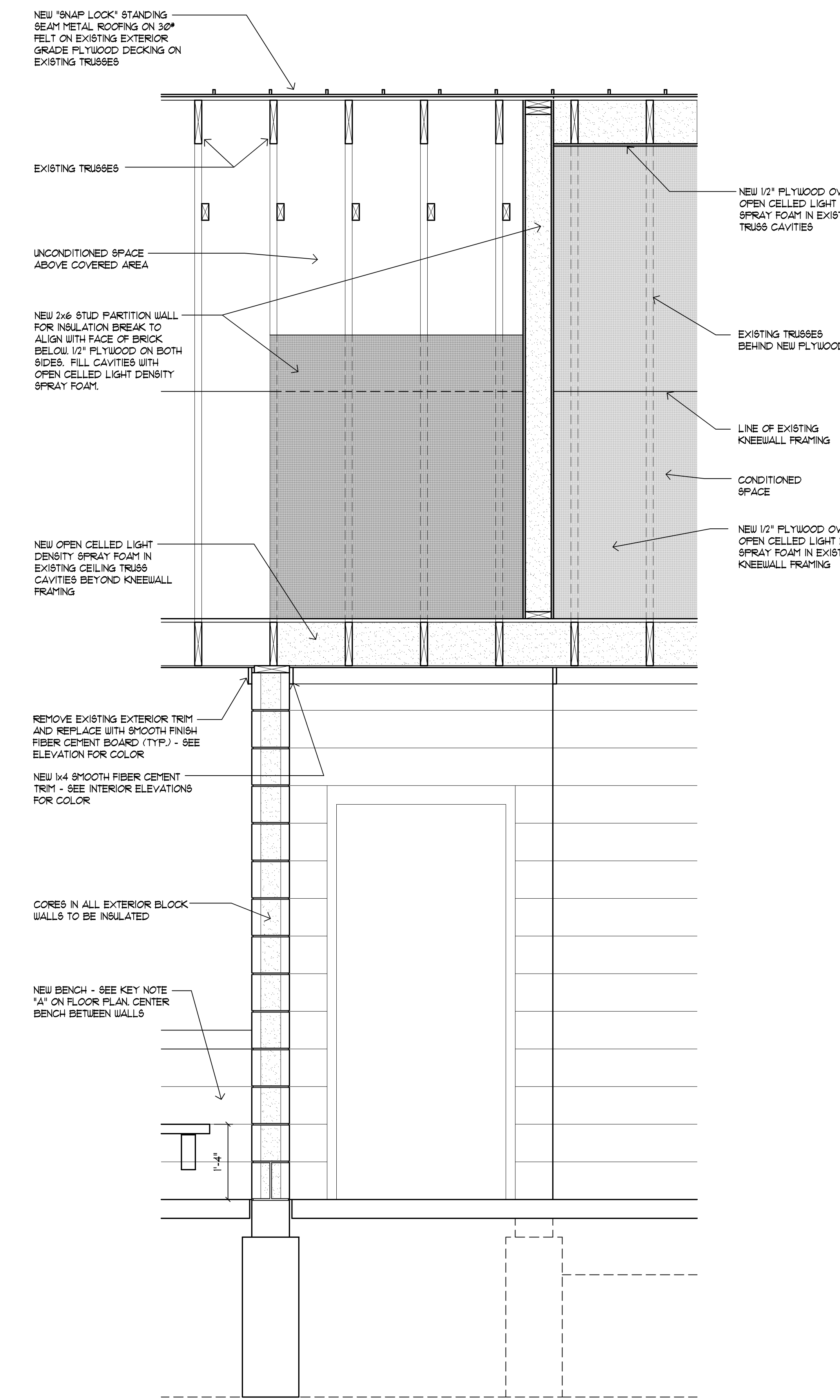
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids



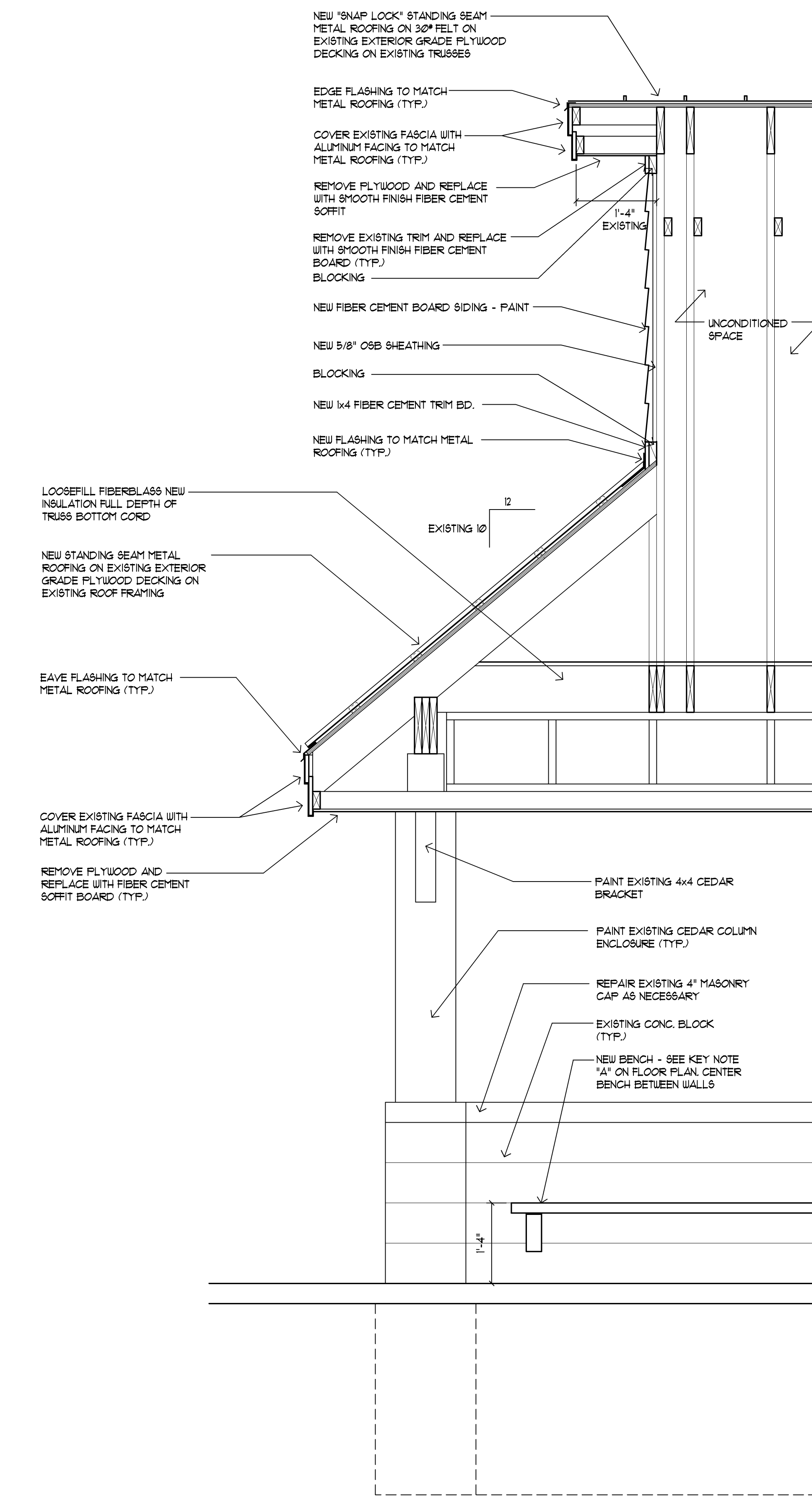
4 Enlarged Detail  
Scale: 1-1/2" = 1'-0"



1 Wall Section  
Scale: 3/4" = 1'-0"

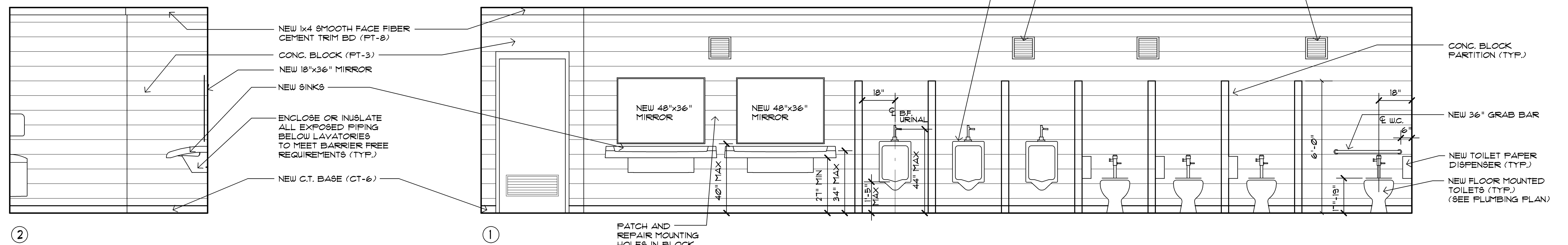
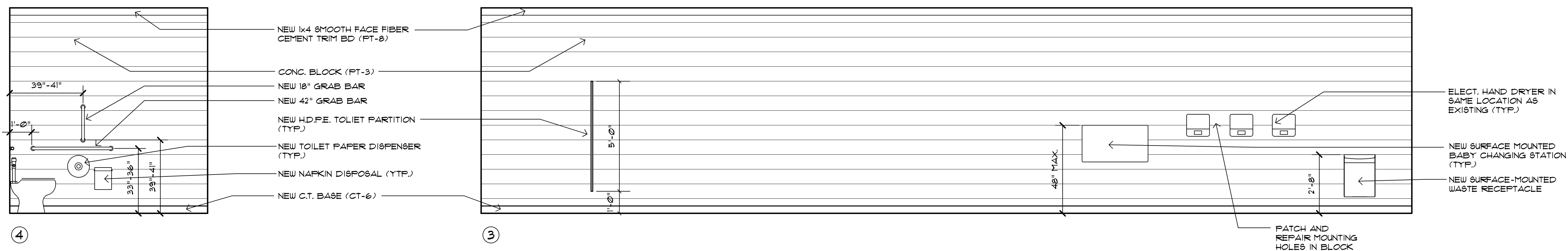


2 Wall Section  
Scale: 3/4" = 1'-0"

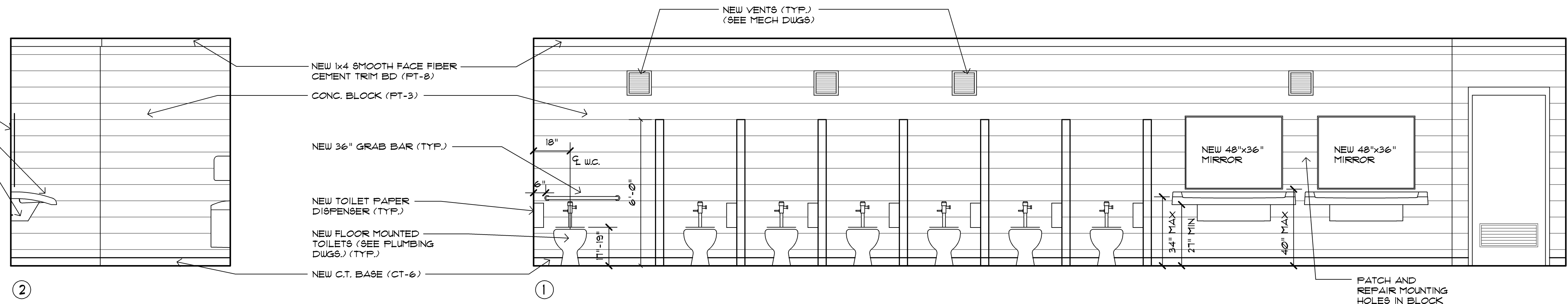
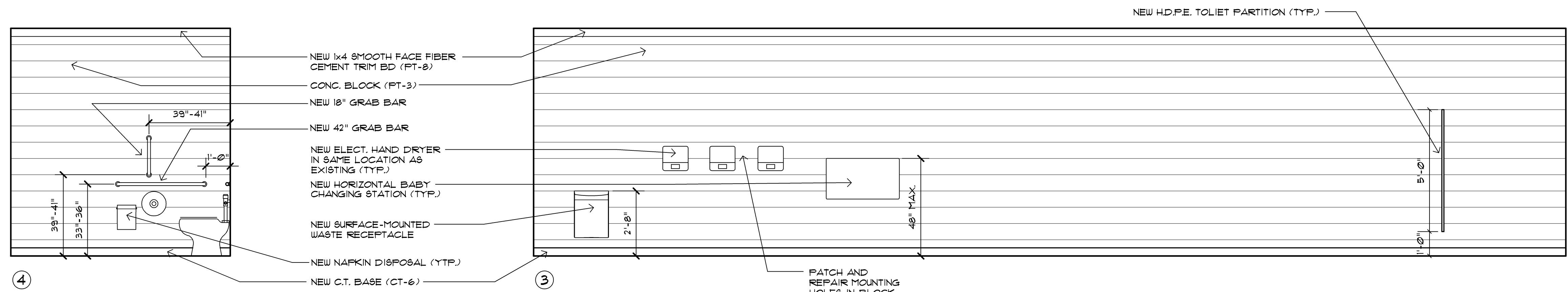


3 Wall Section  
Scale: 3/4" = 1'-0"





**2 MEN'S RESTROOM INTERIOR ELEVATIONS - #102**  
SCALE: 3/8" = 1'-0"



**1 WOMEN'S RESTROOM INTERIOR ELEVATIONS - #101**  
SCALE: 3/8" = 1'-0"

architect seal

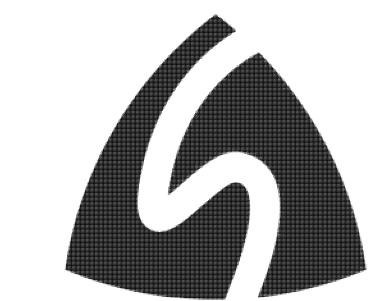
issue / revision date
3-7-17 Prelim. Review
3-21-17 Prelim. Review
5-9-17 Prelim. Review
5-16-17 Prelim. Review
6-7-17 City Review
6-19-17 Bids

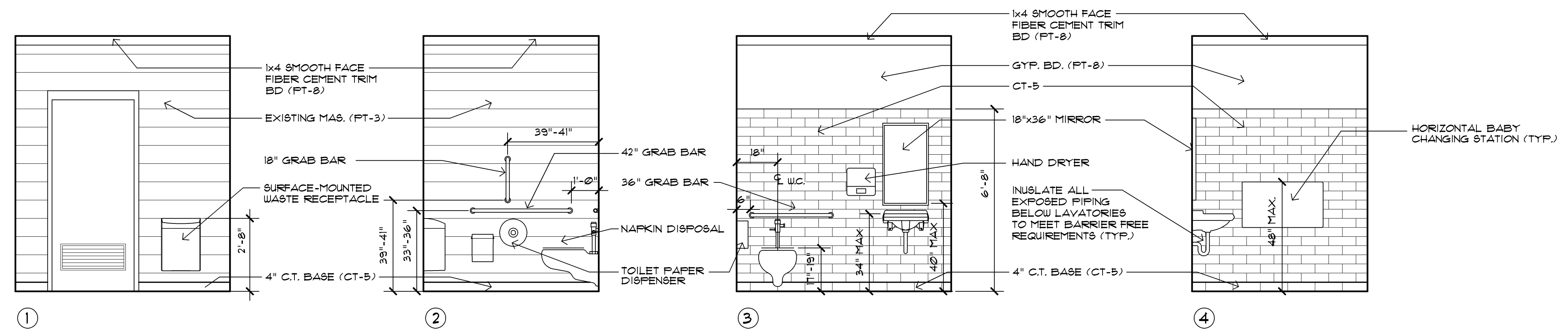
drawn by checked by

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
Renovated Restrooms &  
Utility Building  
Interior Elevations  
project sheet title

Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1002  
Fax: (248) 557-1231

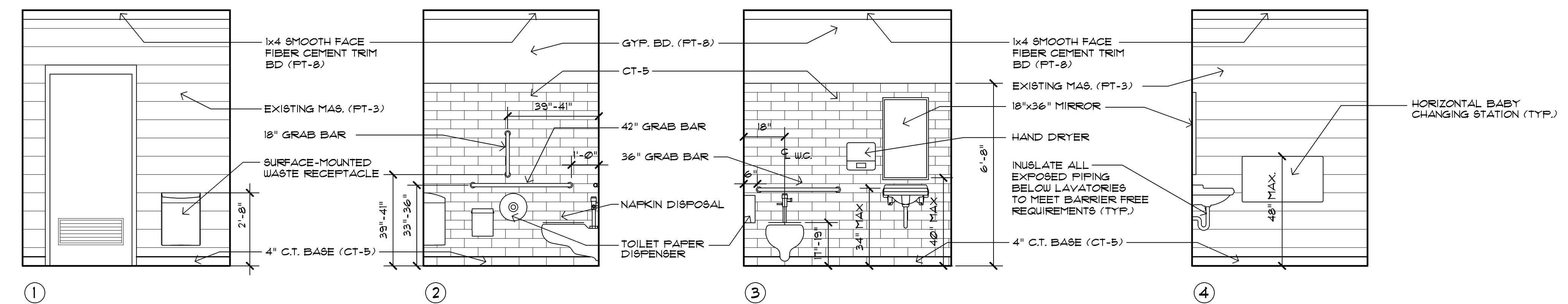
job no. sheet no.  
**16078A RRB-A6**





NOTE:  
 ALL ITEMS ARE NEW UNLESS NOTED OTHERWISE

2 FAMILY RESTROOM 2 INTERIOR ELEVATIONS - #105  
 SCALE : 3/8" = 1'-0"



NOTE:  
 ALL ITEMS ARE NEW UNLESS NOTED OTHERWISE

1 FAMILY RESTROOM 1 INTERIOR ELEVATIONS - #104  
 SCALE : 3/8" = 1'-0"



issue / revision date	description
3-7-17	Prelim. Review
3-21-17	Prelim. Review
5-9-17	Prelim. Review
5-16-17	Prelim. Review
6-7-17	City Review
6-19-17	Bids

drawn by \_\_\_\_\_ checked by \_\_\_\_\_

City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan  
 project

Renovated Restrooms &  
 Utility Building  
 Interior Elevations  
 sheet title

Dorchen/Martin Associates, Inc.  
 Architects/Planners  
 2985 Greenfield Rd., Suite 107  
 Southfield, Michigan 48076  
 (248) 557-1062  
 Fax: (248) 557-1231

job no. 16078A sheet no. RRB-A7



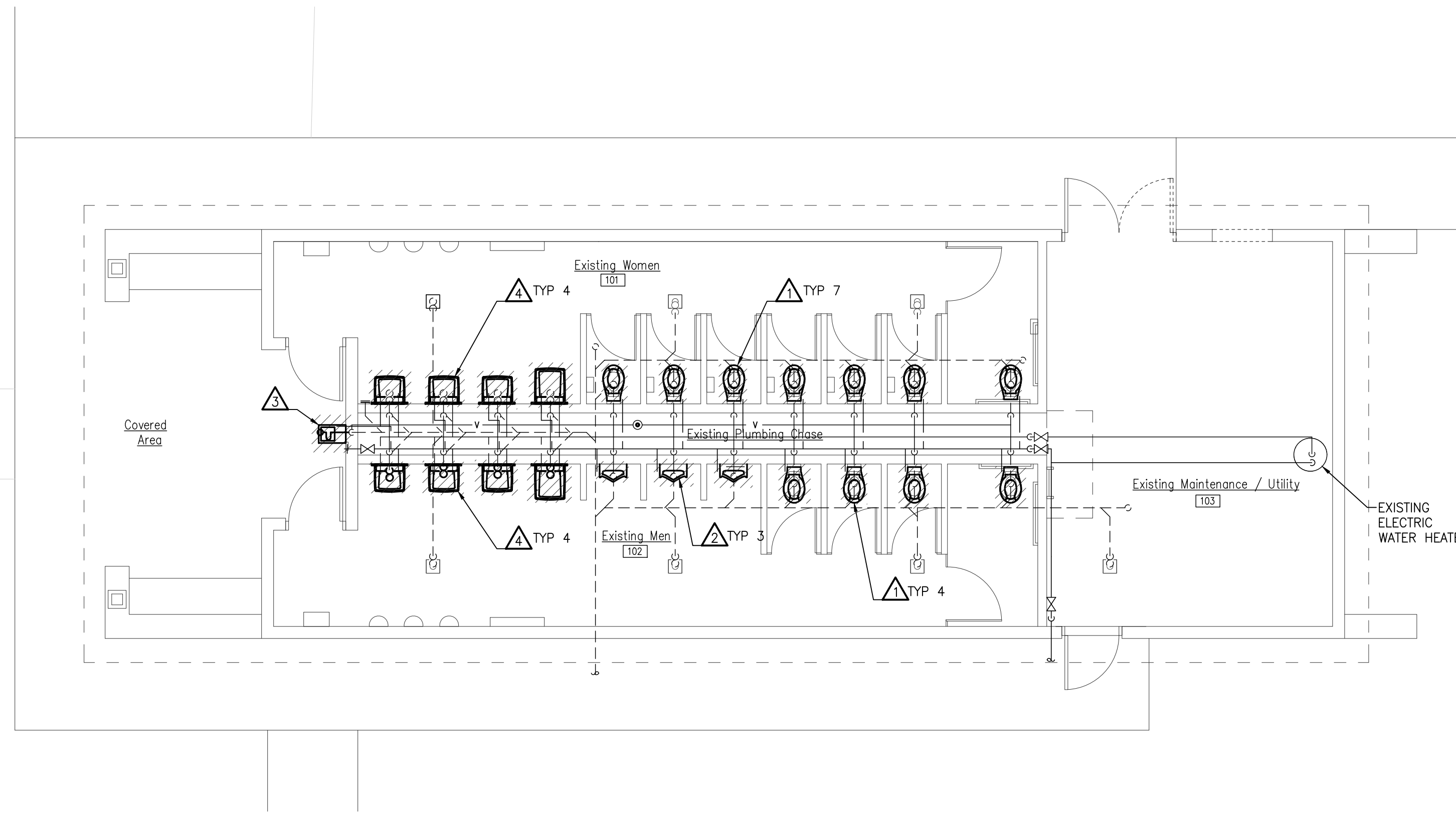
**GENERAL DEMOLITION NOTES**

1. ANY INTERRUPTIONS OF EXISTING SERVICES AND/OR EQUIPMENT SHALL BE PERFORMED AT A TIME APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE SO AS NOT TO INTERFERE WITH THE PRESENT BUILDING'S OPERATION.
2. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF WORK TO BE PERFORMED. THE EXACT EXTENT OF DEMOLITION SHALL BE AS REQUIRED BY THE NEW WORK.
3. ALL MECHANICAL ITEMS TO BE REMOVED SHALL BE REMOVED COMPLETE WITH ALL RELATED ITEMS INCLUDING HANGERS, SUPPORTS, CONTROLS, ETC. CAP ALL OPEN ENDED PIPES AND DUCTWORK.
4. ALL DEMOLITION OF THE EXISTING MECHANICAL SYSTEMS, INCLUDING BUT NOT LIMITED TO PIPING, DUCTWORK, CONTROLS, SUPPORTS, HANGERS, AND EQUIPMENT SHALL BE UNDER SCOPE OF DIVISION 20 THRU 23 OF THE SPECIFICATIONS.
5. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL EQUIPMENT BEING REMOVED.

architect seal

**DEMOLITION DETAILED NOTES**

1. REMOVE EXISTING FLOOR MOUNTED WATER CLOSET, ASSOCIATED FLUSH VALVE AND ACCESSORIES COMPLETE. PREPARE FOR NEW CONNECTION.
2. REMOVE EXISTING WALL MOUNTED URINAL, ASSOCIATED FLUSH VALVE AND ACCESSORIES COMPLETE. PREPARE FOR NEW CONNECTION.
3. REMOVE EXISTING DRINKING FOUNTAIN, PLUMBING PIPING AND ACCESSORIES COMPLETE. PATCH EXTERIOR WALL TO MATCH EXISTING.
4. REMOVE EXISTING WALL MOUNTED SINK AND ACCESSORIES COMPLETE. PREPARE PIPING FOR NEW CONNECTION.



**RESTROOMS & UTILITY MECHANICAL DEMOLITION PLAN**  
SCALE: 3/16" = 1'-0"



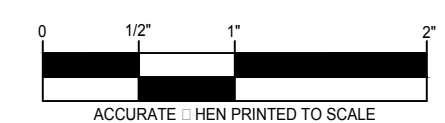
Issue / revision date
5-09-17 Owner Review
6-06-17 Coordination
6-16-17 Bids

drawn by	checked by
RJM	JDK

City of Sterling Heights Dodger Park Improvements Sterling Heights, Michigan	RESTROOMS & UTILITY MECHANICAL DEMOLITION PLAN
project	sheet title

**Dorchen/Martin Associates, Inc.**  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no. <b>16078A</b>	sheet no. <b>MD5.1</b>
--------------------------	---------------------------



**MECHANICAL GENERAL NOTES**

1. THESE DRAWINGS ARE DIAGRAMMATIC & INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE PLUMBING AND HVAC SYSTEMS COMPLETE PER SPECIFICATION, SMACNA STANDARDS, AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS, SPECIAL RADIUS OR MITERED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER STRUCTURAL CONDITIONS.
2. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY WORK.
3. DUCTWORK/PIPING SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT. DUCTWORK/PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
4. THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.
5. COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS ETC. WITH ARCHITECTURAL TRADES.
6. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.
7. PIPING/DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT/ABOVE OF ELECTRICAL EQUIPMENT. PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
8. PROVIDE CODE REQUIRED CLEARANCE/ACCESS DOORS FOR DAMPERS, VALVES. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPES.
9. FOR EQUIPMENT VALVING, COMPONENT, AND PIPING ARRANGEMENT, REFER TO PIPING DIAGRAMS AND DETAILS.
10. BRANCH DUCTWORK TO GRILLES, REGISTERS AND DIFFUSERS SHALL BE THE SAME SIZE AS THE GRILLE, REGISTER OR DIFFUSER NECK SIZE WHERE NO DUCT SIZE IS INDICATED ON PLAN.
11. MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 5'-0".

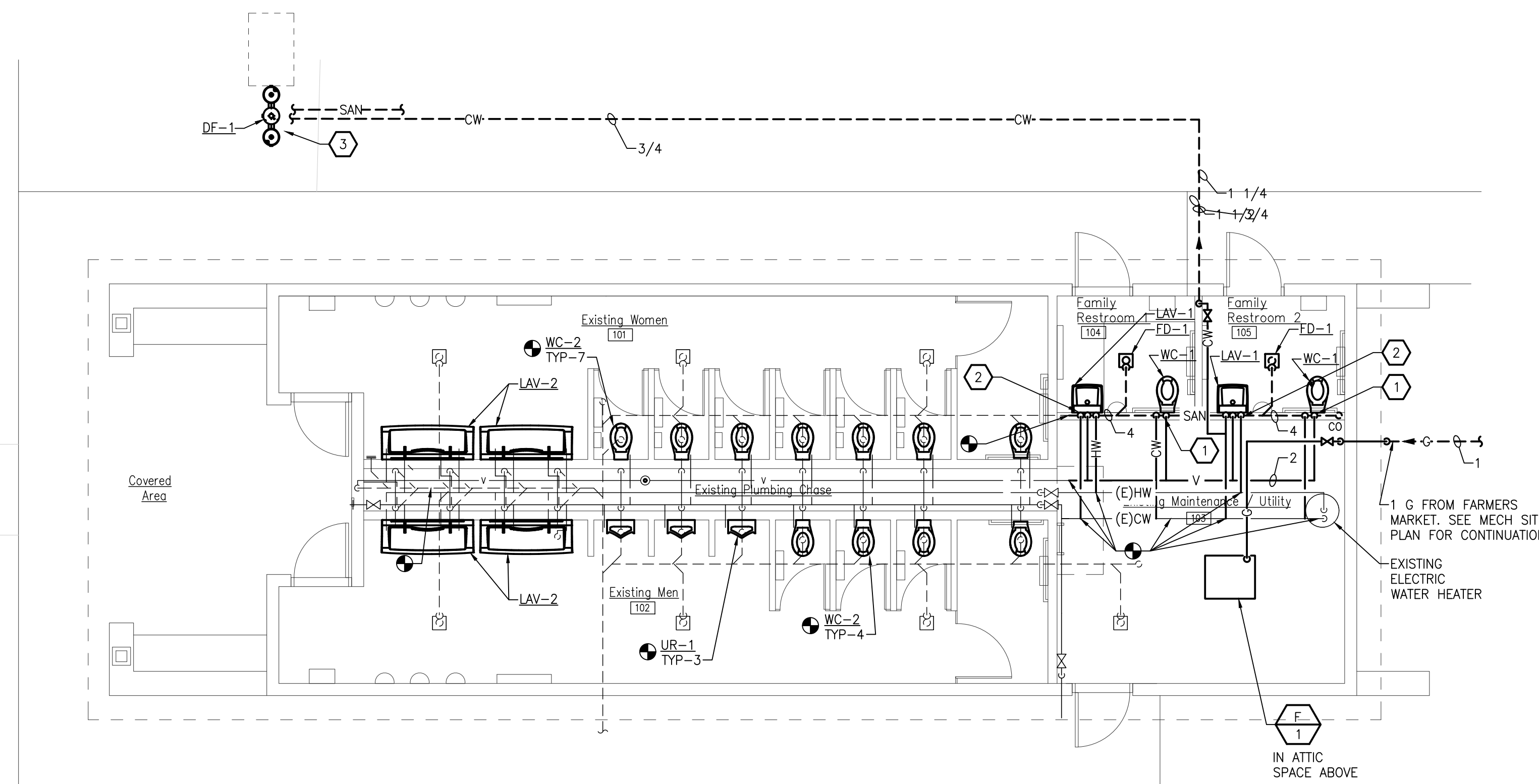
architect seal



TAG	BARRIER FREE	ITEM	PIPE CONNECTION SIZES				MANUFACTURER & MODEL NO.	ACCESSORIES
			WASTE	VENT	CW	HW		
FD-1	-	FLOOR DRAIN	3"	1 1/2"	-	-	ZURN: Z-415-B	
LAV-1	Y	WALL MOUNTED LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	AMERICAN STANDARD: LUCERNE	FAUCET: AMERICAN STANDARD: RELIANT 3. DECK MOUNTED SOAP DISPENSER: AMERICAN STANDARD MODEL # 4503.115. PROVIDE ASSE 1070 MIXING VALVE.
LAV-2	Y	WALL MOUNTED TROUGH LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	BRADLEY: VERGE WASH BASIN: LVGD2	
DF-1	-	BI-LEVEL DRINKING FOUNTAIN WITH BOTTLE FILLER AND PET BOWL	2"	1 1/2"	1/2"	-	MOST DEPENDABLE: MODEL # 10145 SM, COLOR BLUE	ATTACHED HOSE BIBB. PROVIDE PET BOWL ADDITION
UR-1	Y	WALL MOUNTED URINAL	2"	1 1/2"	3/4"	-	KOHLER: DEXTER. MODEL: K-5016-ET	FLUSH VALVE: KOHLER K-13521, 1.0 GPF
WC-1	Y	WALL MOUNTED WATER CLOSET	4"	2"	1"	-	KOHLER: KINGSTON. MODEL: K-4325	FLUSH VALVE: KOHLER K-13516, 1.6 GPF
WC-2	Y	FLOOR MOUNTED WATER CLOSET	4"	2"	1"	-	KOHLER: WELLWORTH. MODEL: K-4406	FLUSH VALVE: KOHLER K-13517C, 1.28 GPF

**NOTES:**

1. SUPPLY ALL FIXTURES WITH LOOSE KEY STOPS.
2. PROVIDE ALL ACCESSORIES NECESSARY FOR COMPLETE AND OPERABLE INSTALLATION.
3. PROVIDE CARRIERS FOR ALL FIXTURES PER MANUFACTURER'S RECOMMENDATIONS.
4. WHERE REQUIRED AND WHERE DESIGNATED, FIXTURES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE TO THE LATEST EDITION OF "THE BARRIER" FREE DESIGN REQUIREMENTS OF THE STATES CONSTRUCTION CODE.
5. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION/MOUNTING HEIGHT OF ALL FIXTURES.



**FIELD NOTES**

- 1 ROUTE 4" SANITARY, 2" VENT AND 1" CW DOWN TO WATER CLOSET.
- 2 ROUTE 1/2" SANITARY, 1 1/4" VENT, 1/2" HOT WATER DOWN TO LAVATORY.
- 3 ROUTE 3" SANITARY AND 1/2" COLD WATER DOWN TO DRINKING FOUNTAIN.



Issue / revision date	Owner Review	Coordination	Bids
5-09-17			
6-06-17			
6-16-17			

drawn by	checked by
RHM	JK

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan

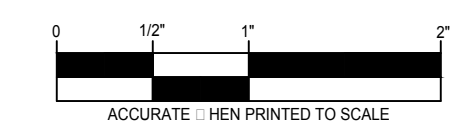
**RESTROOMS & UTILITY PLUMBING NEW WORK PLAN**

project sheet title

**RESTROOMS & UTILITY PLUMBING NEW WORK PLAN**  
SCALE: 3/16" = 1'-0"

Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no.	sheet no.
16078A	M5.1



Drawing: S:\17 0454 01 Sterling Heights Parks & Recreation\Mechanical\6078A\_RRB\_M5-1.dwg  
Date: Jun 16, 2017, 9:20am  
Layout: M5\_1  
Plotted by: pdf





Issue / revision date
5-09-17 Owner Review
6-06-17 Coordination
6-16-17 Bids

drawn by	checked by
RHM	JDK

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan

**RESTROOMS & UTILITY SHEET METAL NEW WORK PLAN**

project sheet title



Dorchen/Martin Associates, Inc.  
Architects/Planners  
29895 Greenfield Rd., Suite 107  
Southfield, Michigan 48076  
(248) 557-1062  
Fax: (248) 557-1231

job no.	sheet no.
16078A	M5.2

**MECHANICAL GENERAL NOTES**

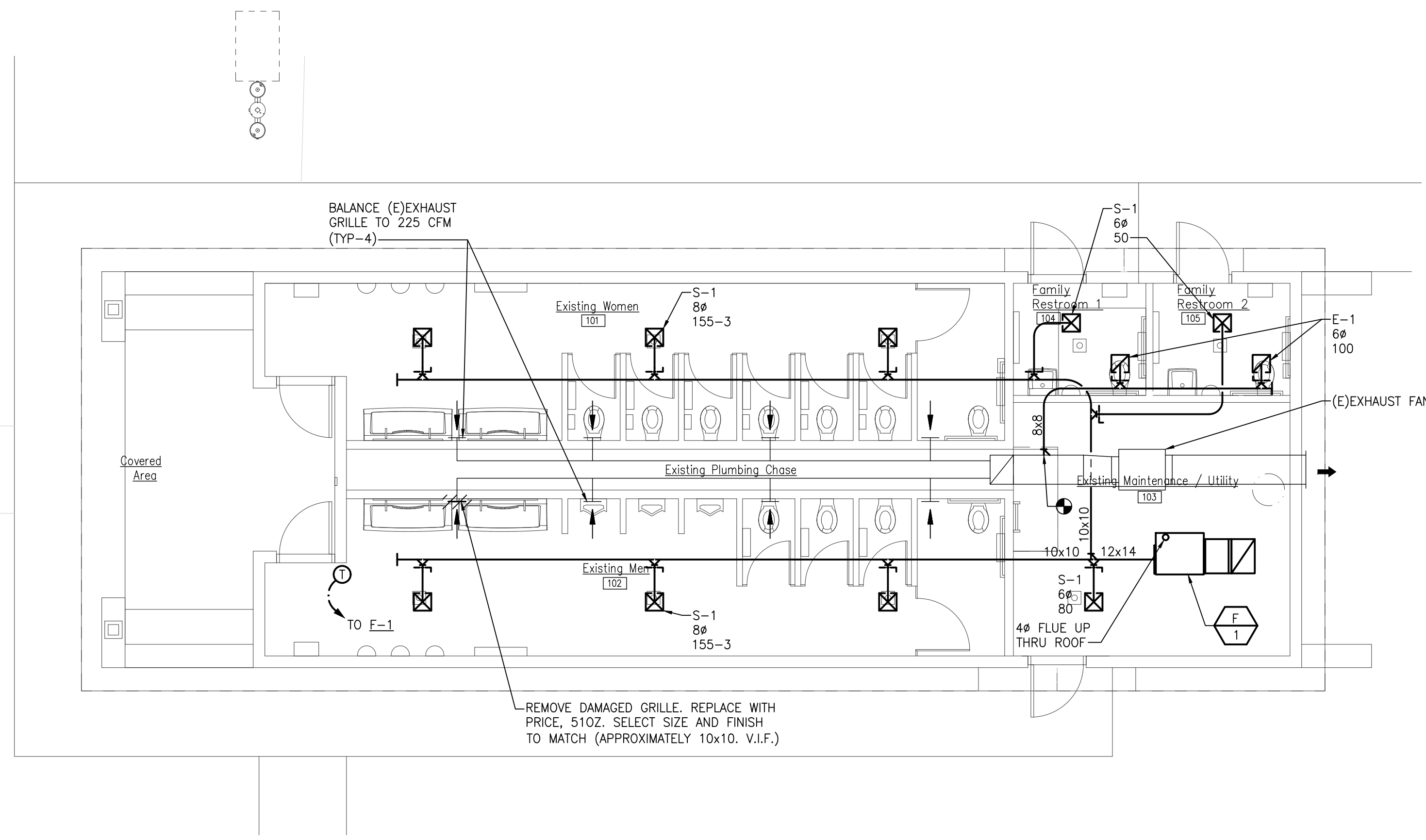
- THESE DRAWINGS ARE DIAGRAMMATIC & INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE PLUMBING AND HVAC SYSTEMS COMPLETE PER SPECIFICATION, SMACNA STANDARDS, AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS, SPECIAL RADIIUS OR MITERED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER STRUCTURAL CONDITIONS.
- CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY WORK.
- DUCTWORK/PIPING SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT. DUCTWORK/PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
- THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.
- COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER SIZES, PAD LOCATIONS ETC. WITH ARCHITECTURAL TRADES.
- REFER TO ARCHITECTURAL PLANS FOR SPECIFICATIONS AND EXACT LOCATIONS OF FIXTURES (STANDARD AND BARRIER FREE), SINKS, ETC. REFER TO FOOD SERVICE PLANS FOR SPECIFICATIONS AND EXACT LOCATIONS OF FOOD SERVICE EQUIPMENT. REFER TO PLUMBING FIXTURE SCHEDULE FOR CONNECTION SIZES, ACCESSORIES, AND ADDITIONAL INFORMATION.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.
- PIPING/DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT/ABOVE OF ELECTRICAL EQUIPMENT. PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
- PIPING SHALL NOT BE INSTALLED IN A LOCATION THAT RESTRICTS THE ACCESS TO MECHANICAL DEVICES REQUIRING ACCESS.
- HOT AND COLD WATER PIPING RUN-OUTS TO LAVS AND SINKS SHALL BE 3/4" UNLESS NOTED OTHERWISE. REFER TO PLUMBING FIXTURE SCHEDULE FOR CONNECTION SIZES. PROVIDE BRANCH LINE ISOLATION VALVES ON DOMESTIC PIPING TO EACH GROUP OF FIXTURES AND TOILET ROOMS. PROVIDE FULL OPEN VALVES PER PLUMBING CODE.
- HOT AND COLD WATER PIPING RUN-OUTS TO LAVS AND SINKS SHALL BE 3/4" UNLESS NOTED OTHERWISE. REFER TO SPECIFICATIONS FOR FIXTURE CONNECTION SIZES.
- PROVIDE CODE REQUIRED CLEARANCE/ACCESS DOORS FOR DAMPERS, VALVES, AND CLEANOUTS LOCATED IN WALLS OR ABOVE HARD CEILINGS, AND LOCATIONS OF CLEANOUTS INSTALLED IN STORM AND SANITARY PIPING. COORDINATE LOCATIONS WITH ARCHITECT. PROVIDE CLEANOUTS AT THE BASE OF ALL STACKS. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPES.
- FOR EQUIPMENT VALVING, COMPONENT, AND PIPING ARRANGEMENT, REFER TO PIPING DIAGRAMS AND DETAILS.
- BRANCH DUCTWORK TO GRILLES, REGISTERS AND DIFFUSERS SHALL BE THE SAME SIZE AS THE GRILLE, REGISTER OR DIFFUSER NECK SIZE WHERE NO DUCT SIZE IS INDICATED ON PLAN.
- MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 5'-0".

**FURNACE SCHEDULE**

UNIT ID	SERVICE	SUPPLY CFM	OA CFM	ESP	BLOWER HP	CONDENSER TAG	HEATING SECTION			ELECTRICAL				MODEL NO.	REMARKS
							INPUT (MBH)	OUTPUT (MBH)	EFF AFUE	UNIT AMPACITY	FUSE SIZE (AMPS)	VOLTS	PHASE		
F-1	CONCESSIONS & RESTROOMS	1,100	150	0.25	1/5	66	54	80%	3.1	15	120	1	ML180U H070	ML180UH070	

**NOTES:**

- MODEL NUMBERS ARE LENNOX UNLESS OTHERWISE NOTED.



**RESTROOMS & UTILITY SHEET METAL NEW WORK PLAN**  
SCALE: 3/16" = 1'-0"



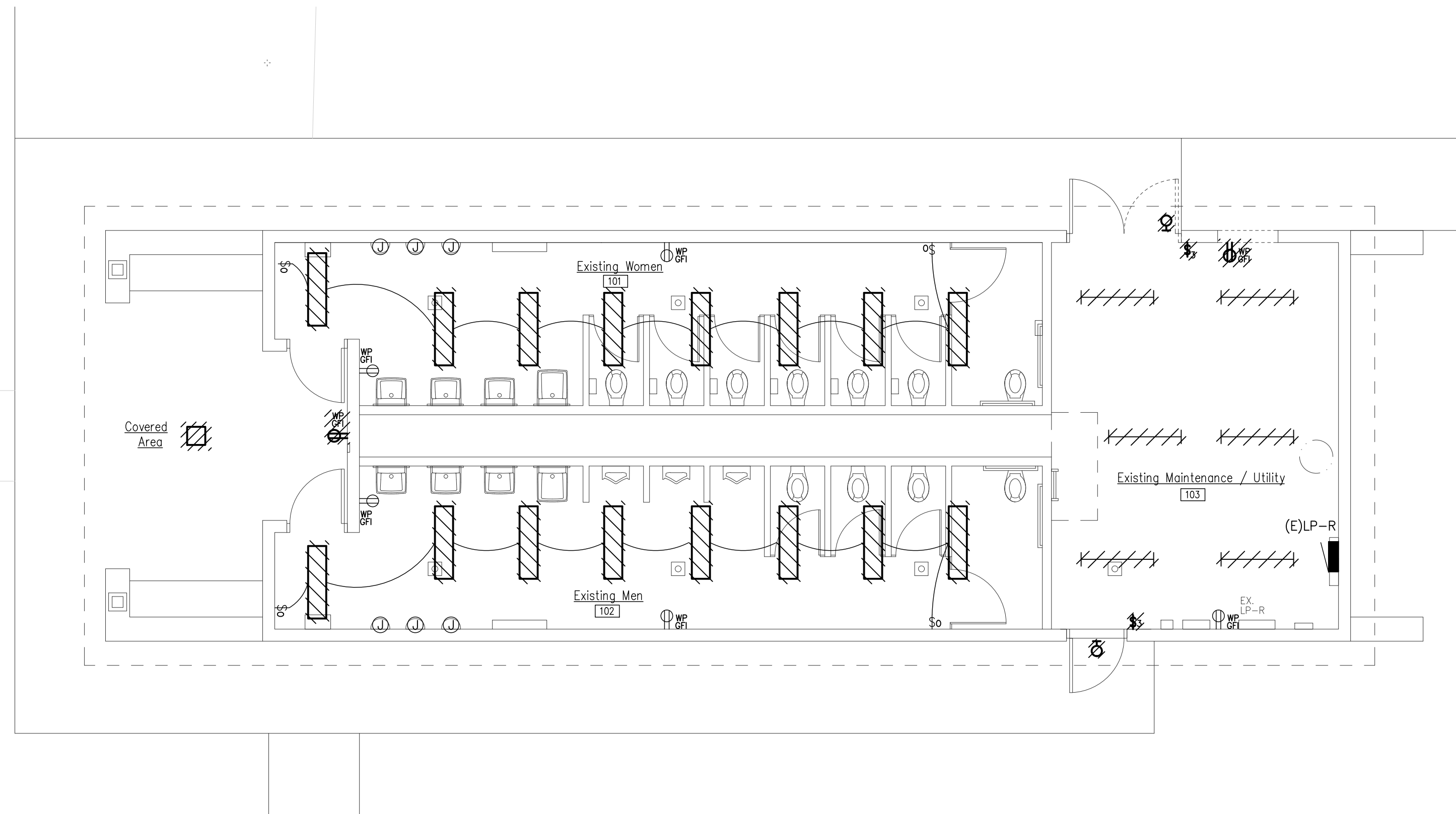
Drawing: S:\17 0454 01 Sterling Heights Parks & Rec\CAD\Misc\16078A\_RRB\_M5-2.dwg  
Date: Jun 16, 2017, 9:20am Layout: M5.2 Plotted by: pdf



**GENERAL DEMOLITION NOTES**

1. VISIT THE SITE PRIOR TO SUBMISSION OF BID TO EXAMINE THE EXISTING CONDITIONS AND THE EXTENT OF DEMOLITION WORK.
2. EXAMINE THE DRAWINGS OF OTHER TRADES. BE FAMILIAR WITH THE DEMOLITION REQUIRED BY OTHER TRADES. PERFORM ALL INCIDENTAL ELECTRICAL DEMOLITION AND/OR RELOCATION OF DEVICES AND EQUIPMENT REQUIRED TO FACILITATE THE DEMOLITION WORK OF OTHER TRADES.
3. REMOVE LIGHTING FIXTURES AND ELECTRICAL DEVICES AS INDICATED ON PLAN. DEMOLITION SHALL INCLUDE, BUT NOT BE LIMITED TO THOSE DEVICES SHOWN.
4. COORDINATE WITH NEW WORK PLANS, ONE LINE AND RISER DIAGRAMS FOR EXTENT OF DEMOLITION WORK.
5. COORDINATE ANY SHUTDOWN OF EXISTING SERVICES AND EQUIPMENT REMAINING IN USE WITH OWNERS' REPRESENTATIVE. WHERE EXISTING BUILDING SERVICE IS REQUIRED TO BE SHUT DOWN, INCLUDE ALL ASSOCIATED OVERTIME COST TO PERFORM THIS WORK DURING EVENINGS AND WEEKENDS. INCLUDE ALL COSTS FOR PROVIDING TEMPORARY POWER WHERE SHUTDOWNS OCCUR FOR PERIODS LONGER THAN THE ABOVE STATED HOURS.
6. COORDINATE THE SHUT DOWN OF ELECTRICAL EQUIPMENT WITH THE OWNERS' REPRESENTATIVE A MINIMUM OF 72 HOURS PRIOR TO SHUT DOWN.
7. REMOVE ALL CONDUIT AND WIRE BACK TO NEAREST UPSTREAM DEVICE REMAINING IN SERVICE.
8. WHERE DEMOLITION WORK AFFECTS ELECTRICAL SERVICE TO DOWNSTREAM DEVICES TO REMAIN, EXTEND CONDUIT AND WIRE AS REQUIRED TO MAINTAIN ELECTRICAL SERVICE.
9. DISPOSE OF ALL MATERIALS OFF SITE AND INCLUDE ALL COSTS FOR DISPOSAL IN BID. ALL MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, INCLUDING TOLP TESTING, PRIOR TO DISPOSAL AND/OR RECYCLING OF FLUORESCENT LAMPS.
10. PROVIDE BLANK COVER PLATES WHERE SWITCHES AND DEVICES ARE REMOVED AND WALL REMAINS INTACT. MARK ALL UNUSED CIRCUIT BREAKERS AS "SPARE".
11. CONTRACTOR TO TAG ALL CIRCUITS AT BOTH ENDS AFFECTED BY THIS ALTERATION.
12. CONTRACTOR SHALL PROVIDE UPDATED, TYPED-IN DIRECTORIES FOR ALL PANELS AFFECTED BY THIS ALTERATION.
13. CONTRACTOR SHALL VERIFY ALL UNDERGROUND AND IN-SLAB UTILITIES LOCATIONS PRIOR TO SAW CUTTING OR PENETRATING ANY FLOOR SLABS.
14. REFER TO NEW WORK SHEETS FOR LIGHTING AND POWER CIRCUIT DESIGNATIONS.
15. EXTEND EXISTING CONDUIT AND WIRE AS REQUIRED FOR ALL RELOCATED DEVICES.

architect seal



**RESTROOMS & UTILIT ELECTRICAL DEMOLITION PLAN**  
 SCALE: 3/16" = 1'-0"

Issue / revision date
5-09-17 Owner Review
6-06-17 Coordination
6-16-17 Bids

drawn by	checked by
CEM	PDH

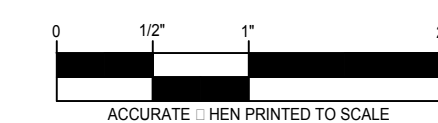
City of Sterling Heights  
 Dodge Park Improvements  
 Sterling Heights, Michigan

**RESTROOMS & UTILITY  
 ELECTRICAL  
 DEMOLITION PLAN**

project sheet title



job no.	sheet no.
16078A	ED5.1

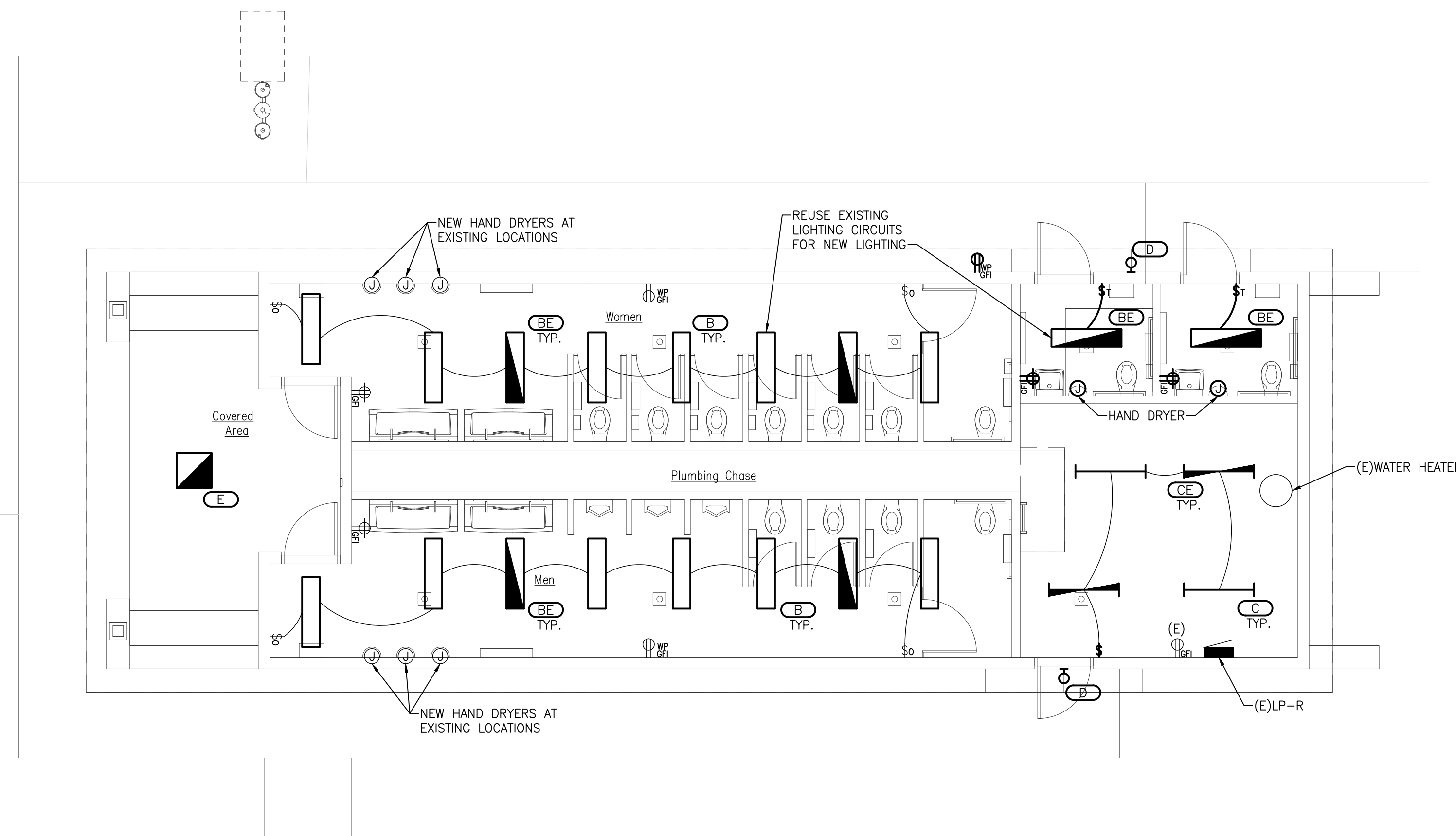


Drawing: S:\17 0454 01 Sterling Heights Parks & Rec\CA\ED\Elect\16078A\_REB\_ED1\_00.dwg  
 Date: Jun 16, 2017, 8:21 am Layout: ED5.1 Plotted by: pdh

**ELECTRICAL GENERAL NOTES**

- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LIGHTING FIXTURES UNLESS OTHERWISE NOTED.
- SEE LUMINAIRE SCHEDULE ON ELECTRICAL GENERAL INFORMATION SHEET.
- EXIT LIGHTS AND EMERGENCY BATTERY UNITS SHALL BE UNCONTROLLED AND TIED AHEAD OF LOCAL AREA LIGHTING SWITCH, UNLESS CIRCUITED OTHERWISE.
- WHERE MORE THEN ONE LIGHT SWITCH IS INDICATED TO BE INSTALLED AT THE SAME LOCATION, THEY SHALL BE GROUPED UNDER ONE COMMON FACEPLATE.
- ALL ELECTRICAL DEVICES SHOWN ON THIS PLAN SHALL BE NEW UNLESS OTHERWISE NOTED.
- ANY 120 VOLT BRANCH CIRCUIT FEEDER LONGER THAN 75'-0" TO LAST DEVICE SHALL BE SIZED TO THE NEXT LARGER STANDARD AWG SIZE. E.C. SHALL FIELD VERIFY ALL LENGTHS OF FEEDERS.
- ALL RECEPTACLES SHALL BE 20A. RATED.
- ALL DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE.
- ALL RECEPTACLES WITHIN 6'-0" OF SINK OR OTHER WATER SUPPLY SHALL BE GFCI TYPE RECEPTACLE.
- REFER TO ARCHITECTURAL FLOOR PLAN AND ELEVATIONS FOR EXACT LOCATION OF DEVICES.
- ALL JUNCTION BOXES SERVING BRANCH CIRCUIT WIRING SHALL BE LABELED WITH CIRCUITS SERVED.
- ALL 120 VOLT CIRCUITS SHALL UTILIZE A SEPARATE NEUTRAL.
- ALL CONDUITS SERVING 120 VOLTS OR GREATER SHALL INCLUDE A GROUND WIRE.
- ALL CONDUITS SHALL BE ROUTED CONCEALED UNLESS NOTED OTHERWISE.
- ALL ELECTRICAL EQUIPMENT MOUNTED ON THE FLOOR SHALL BE MOUNTED ON A 4" CONCRETE HOUSE KEEPING PAD.
- ALL BRANCH CIRCUIT WIRING SHALL BE 2#12, 1#12GND IN 3/4" CONDUIT, UNLESS NOTED OTHERWISE.

architect seal



**RESTROOMS & UTILIT ELECTRICAL NE OR PLAN**  
SCALE: 3/16" = 1'-0"

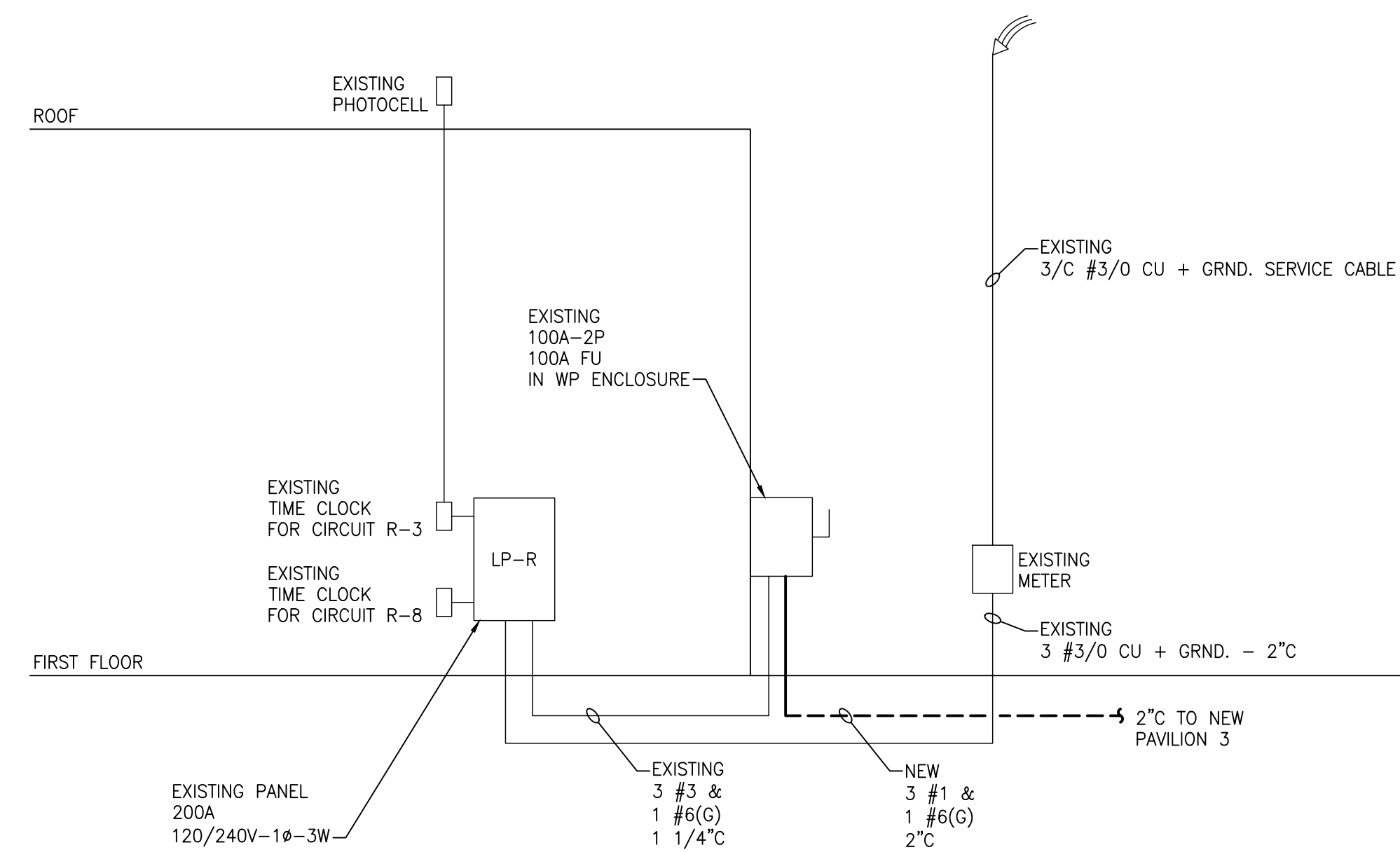


Issue / revision date
5-09-17 Owner Review
6-06-17 Coordination
6-16-17 Bids

drawn by	checked by
CEM	PDH

City of Sterling Heights  
Dodge Park Improvements  
Sterling Heights, Michigan  
project

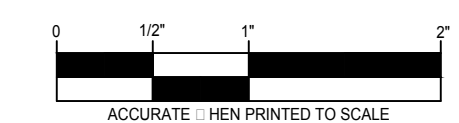
RESTROOMS & UTILITY  
ELECTRICAL NEW  
WORK PLAN  
sheet title



**ELECTRIC ONE LINE DIAGRAM - RESTROOM BUILDING**  
NO SCALE



job no.	sheet no.
16078A	E5.1



Drawing: S:\17 0454 01 Sterling Heights Parks & Rec\CAD\Elect\6078A\_RRD\_E5\_1.dwg Date: Jun 16, 2017, 9:22am Layout: E5\_1 Plotted by: pdh