

OC PLUMBING PROJECT

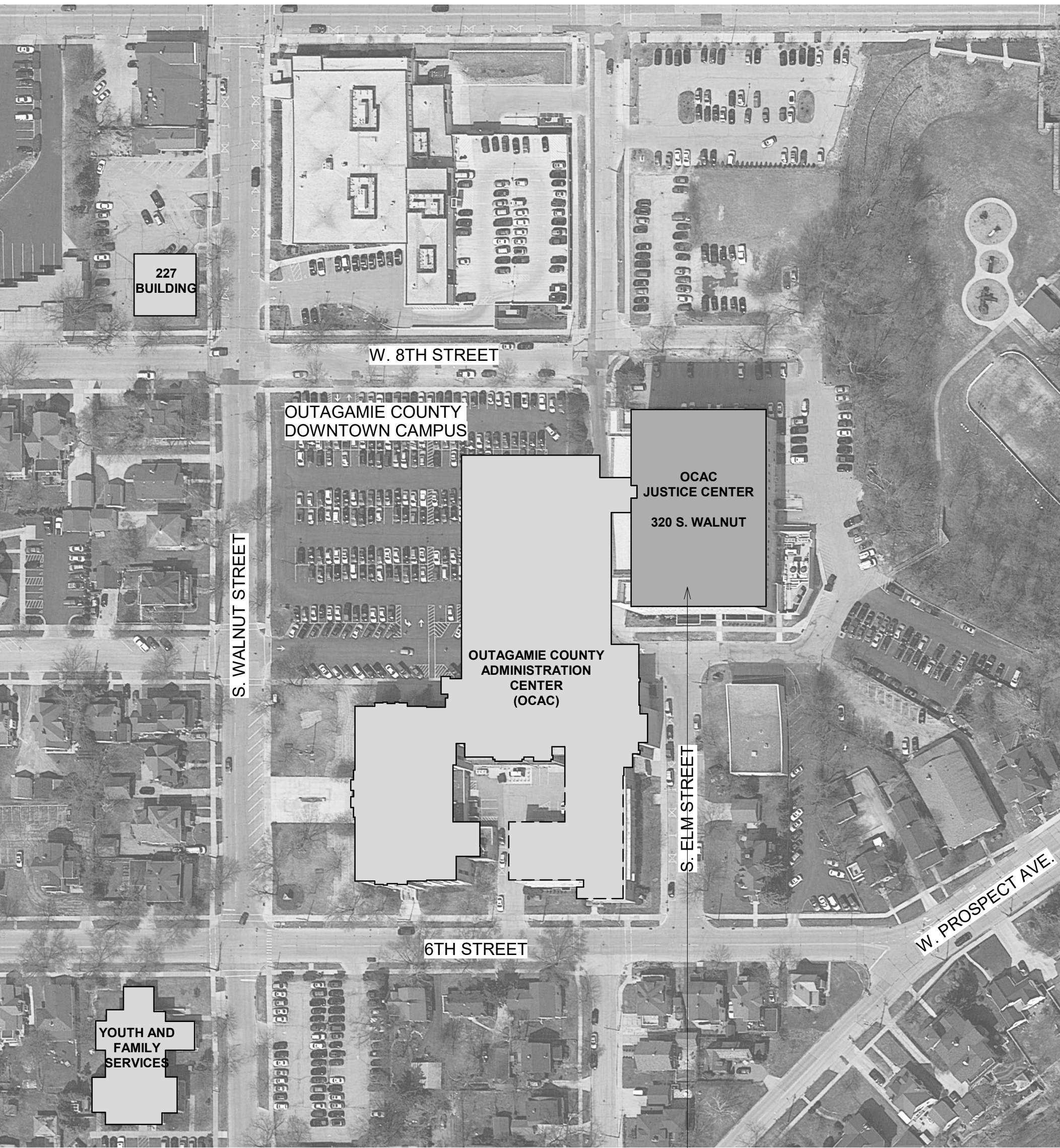
OUTAGAMIE COUNTY JUSTICE CENTER

S. WALNUT & W. 8TH, APPLETON, WI 54911

SHEET INDEX

SHEET NO.	SHEET DESCRIPTION	PARTIAL ALTERATION APRIL 27, 2018		
GENERAL				
A001	TITLE SHEET	X		
PLUMBING				
P001	PLUMBING GENERAL NOTES, SYMBOLS & ABBREVIATIONS	X		
P002	SPECIFICATIONS	X		
P100	GROUND FLOOR PLAN	X		
P101	FIRST FLOOR PLAN	X		

PROJECT LOCATION MAP



PROJECT LOCATION


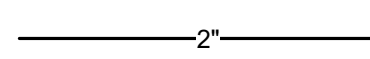


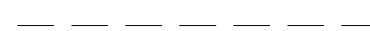

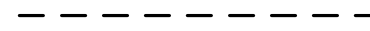

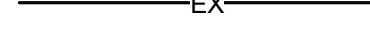


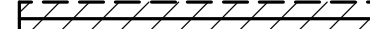




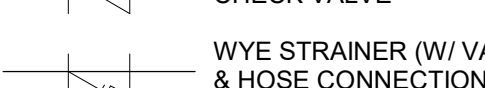





DESIGN TEAM

ARCHITECT

McMAHON
1445 McMAHON DRIVE
NEENAH, WI 54956
(920) 751-4200
PROJECT MANAGER: MARLEY GAST
EMAIL: MGast@mcmgrp.com

PLUMBING ENGINEER

McMAHON
1445 McMAHON DRIVE
NEENAH, WI 54956
(920) 751-4200
PROJECT MANAGER: MARK STOEGER
EMAIL: MStoeger@mcmgrp.com

GENERAL MECHANICAL SYMBOLS		GENERAL ABBREVIATIONS		PLUMBING GENERAL NOTES	
	REVISION NUMBER - SHOWN ON PLANS	& Ø ABV AC ADD ADDL AFF AG ALT ALUM AP APPROX ARCH AUTO BFF BLDG BO BOT BSMT BTU BTUH CAP CFM CI CLG CO COMB CONC CTR CUFT DTL DIA DIAG DISCH DN DFU DWG ELEC ELEV EQ EQUIP EXTG EXPJT F FD FL FLG FT FUT GAL GALV GC GPM HD HORZ HP HTG	AND ROUND ABOVE AIR CONDITIONING ADDENDUM ADDITIONAL ABOVE FINISHED FLOOR ABOVE GROUND ALTERNATE ALUMINUM ACCESS PANEL APPROXIMATE ARCHITECT/ARCHITECTURAL AUTOMATIC BELOW FINISHED FLOOR BUILDING BY OTHER BOTTOM BASEMENT BRITISH THERMAL UNITS BRITISH THERMAL UNITS PER HOUR CAPACITY CUBIC FEET PER MINUTE CAST IRON CEILING CLEAN OUT COMBINATION CONCRETE CENTER CUBIC FEET DETAIL DIAMETER DIAGONAL DISCHARGE DOWN DRAINAGE FIXTURE UNITS DRAWING ELECTRICAL ELEVATION EQUAL EQUIPMENT EXISTING EXPANSION JOINT F DEGREES FAHRENHEIT FLOOR DRAIN FLOOR FLANGE FOOT/FEET FUTURE GALLON GALLON GALVANIZED GENERAL CONTRACTOR GALLONS PER MINUTE HEAD HORIZONTAL HORSE POWER HEATING	HTR HEATER HVAC HEATING, VENTILATION & AIR CONDITIONING HW HOT WATER IND INDIRECT IN INCH INL INLET INSUL INSULATION INT INTERIOR JT JOINT LB POUND LB/HR POUNDS PER HOUR LF LINEAL FOOT LOC LOCATION LP LOW PRESSURE LPG LIQUEFIED PETROLEUM GAS MAN MANUAL MATL MATERIAL MECH MECHANICAL MFR MANUFACTURER MIN MINIMUM MISC MISCELLANEOUS MTR MOTOR NC NORMALLY CLOSED NIC NOT IN CONTRACT NTS NOT TO SCALE OC ON CENTER OPNG OPENING PD PRESSURE DROP PREL PRELIMINARY PRESS PRESSURE PRV PRESSURE REDUCING VALVE PSI POUNDS PER SQUARE INCH PSIG POUNDS PER SQUARE INCH GAUGE PWR POWER RED REDUCER REQ REQUIRED RM ROOM RPM REVOLUTIONS PER MINUTE SF SQUARE FOOT SCHED SCHEDULE SECT SECTION SHT SHEET SIM SIMILAR SPEC SPECIFICATION SQ SQUARE SR SUCTION REFRIGERANT STS STAINLESS STEEL STD STANDARD STM STEAM TOG TOP OF GRATE TYP TYPICAL UG UNDERGROUND VEL VELOCITY VERT VERTICAL VOL VOLUME WFU WATER FIXTURE UNITS	1 REMOVE ALL UNUSED PIPING AND ACCESSORIES. 2 THE PLUMBING CONTRACTOR CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE OWNER'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION. 3 WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. 4 COORDINATE INSTALLATION OF PIPING WITH DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, AND EQUIPMENT TO PREVENT CONFLICTS. 5 THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AS WELL AS THOSE WHICH CAN BE REASONABLY ANTICIPATED INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, ELECTRICAL, VENTILATION, HVAC, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. 6 THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR ELECTRICAL AND MECHANICAL SYSTEMS WITHIN TENANT SPACE AND WITHIN CLOSE PROXIMITY OF TENANT SPACE. 7 FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE, INTERNATIONAL PLUMBING CODE AND INTERNATIONAL MECHANICAL CODE. 8 LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. 9 LOCATE PIPING AND EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. 10 FIRE SEAL AROUND PIPING PENETRATIONS OF FIRE RATED WALLS. REFER TO SPECIFICATION. 11 PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF. 12 ADJUST PIPING SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT. 13 ADJUST PIPING AND DUCTWORK SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT. 14 PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN. 15 FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS. 16 INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS. 17 LOCATIONS OF PIPING AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD. 18 FIELD VERIFY ALL NEW WATER, WASTE AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS. 19 PITCH UNDERFLOOR SANITARY WASTE AND STORM PIPING 3" AND GREATER AT 1/8" PER FOOT, UNLESS NOTED OTHERWISE. PITCH OTHER WASTE PIPING AT 1/4" PER FOOT UNLESS OTHERWISE NOTED. 20 FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION. 21 ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY SEWER AND STORM SEWER SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS FOR MORE INFORMATION. 22 WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR SHALL BE 2" MINIMUM. 23 PROVIDE CLEANOUT IN ACCESSIBLE LOCATION AT THE BASE OF ALL PLUMBING RISERS.
PLUMBING AND PIPING SYMBOLS					
	PIPE SIZE TAG (DIAMETER)				
	ABOVE GROUND PIPING				
	BELOW GROUND PIPING				
	BELOW GROUND VENT				
	EXISTING PIPE TAG				
	PIPING BEING ABANDONED				
	PIPING BEING DEMOLISHED				
	SANITARY DRAINAGE				
	SANITARY SEWER				
	SANITARY VENT				
	STORM DRAINAGE				
		EQUIPMENT ABBREVIATIONS			
		CB CO CHS ES EW FCO FD FF HB HD HS HWS INV	CATCH BASIN CLEANOUT COLD WATER HOSE STATION EMERGENCY SHOWER/EYE WASH EMERGENCY EYE WASH FLOOR CLEANOUT FLOOR DRAIN FOOT FOAMER HOSE BIBB HUB DRAIN HOT WATER HOSE STATION HAND WASH SINK INVERT ELEVATION	LAV MH ORD RD RBPB S SHS UR WC WCO WH YCO	LAVATORY MANHOLE OVERFLOW ROOF DRAIN ROOF DRAIN REDUCED PRESSURE BACKFLOW PREVENTOR SINK SANITARY HOSE STATION URINAL WATER CLOSET WALL CLEANOUT WALL HYDRANT YARD CLEANOUT
		VALVE SYMBOLS			
			ISOLATION VALVE		BUTTERFLY VALVE
			CHECK VALVE		BALANCING VALVE
			WYE STRAINER (W/ VALVE & HOSE CONNECTION)		PRESSURE REGULATING VALVE
			FLEXIBLE CONNECTION		PLUG VALVE
			ANGLE GLOBE VALVE		PRESSURE REDUCING VALVE (PRV)
		* NOTE * ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.			

DESIGNED	DRAWN
MLS	BLG
PROJECT NO.	O0002-61800117
DATE	APRIL 27, 2018
SHEET NO.	P001

DIVISION 01 GENERAL REQUIREMENTS

01 11 00 SUMMARY OF WORK

- A. THE PLANS AND SPECIFICATIONS ARE INTENDED TO GIVE A DESCRIPTION OF THE WORK. NO DEVIATION FROM THE PLANS AND SPECIFICATIONS SHALL BE MADE WITHOUT THE WRITTEN CONSENT OF McMAHON ASSOCIATES, INC. THE CONTRACTOR IS TO CLARIFY ANY DISCREPANCIES WITH McMAHON ASSOCIATES, INC. PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS AND ACCESS TO THE WORK AREA.**
- B. REFERENCE TO "GENERAL CONTRACTOR" OR "G.C." IN THE CONSTRUCTION DOCUMENTS IS INTENDED TO REPRESENT THE CONTRACTOR RESPONSIBLE FOR OVERALL CONSTRUCTION AND COORDINATION OF THE WORK. THE "G.C." COULD BE A GENERAL CONTRACTOR, CONSTRUCTION MANAGER, OR ANY OTHER CONTRACTOR RESPONSIBLE FOR THE SMALL PROJECT. IT IS THE RESPONSIBILITY OF THE G.C. TO ASSIGN RESPONSIBILITY FOR ALL WORK.**

01 31 00 PROJECT MANAGEMENT AND COORDINATION

- A. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR AND SHALL HAVE CONTROL OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND SAFETY PRECAUTIONS AND PROCEDURES USED TO CONSTRUCT THE WORK.
- B. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT AS NECESSARY TO COMPLETE THE WORK. PERMITS SHALL BE OBTAINED AND PAID FOR BY THE RESPECTIVE CONTRACTOR, INCLUDING TEMPORARY OCCUPANCY PERMIT IF REQUIRED.
- C. AUTOCAD FILES OF CONSTRUCTION DOCUMENTS MAY BE OBTAINED BY CONTACTING McMAHON ASSOCIATES, INC. REWIT FILES WILL NOT BE MADE AVAILABLE. AUTOCAD FILE REQUESTS SHALL BE EMAILED TO McMAHON PROJECT MANAGER AND PROJECT ASSISTANT AND SHALL INCLUDE THE FOLLOWING INFORMATION:
- 1. McMAHON PROJECT NAME
 - 2. McMAHON PROJECT NUMBER
 - 3. SHEET NUMBERS REQUESTED
- D. AUTOCAD FILE REQUEST SHALL BE MADE TO:
- 1. PROJECT MANAGER: MARTIN GAST, EMAIL: MGast@mcmgm.com
 - 2. PROJECT ASSISTANT: BURT GRIEDEL, EMAIL: BGriede@mcmgm.com
- E. AUTOCAD FILES WILL BE SENT BY EMAIL THROUGH McMAHON ASSOCIATES, INC. CHOOSING AS SOON AS POSSIBLE.
- F. AUTOCAD FILES SHALL NOT BE USED FOR COMPONENT SUBMITTALS OR SHOP DRAWINGS, SUBMITTALS AND SHOP DRAWINGS USING McMAHON ASSOCIATES, INC. CAD FILES WILL BE RETURNED UNEDITED AND UNCHANGED.
- G. ALL "REQUEST FOR INFORMATION" (RFI) SHALL BE MADE THROUGH THE GENERAL CONTRACTOR FOR LOGGING AND TRACKING PURPOSES. RFIs SHALL BE SUBMITTED TO THE McMAHON PROJECT ASSISTANT. RFIs SHALL BE SUBMITTED ON AN ARCHITECTURAL SCALE. McMAHON, NUMBER, SEQUENCE AND INCLUDE THE FOLLOWING INFORMATION:
- 1. McMAHON PROJECT NAME
 - 2. McMAHON PROJECT NUMBER
 - 3. DIVISION OF CONSTRUCTION REFERENCED
 - 4. POTENTIAL SCHEDULE IMPACTS
 - 5. POTENTIAL COST IMPACTS AND ANY SUGGESTED ALTERNATES FROM THE CONSTRUCTION DOCUMENTS

01 32 00 SCHEDULING OF WORK

- A. THE CONTRACTOR SHALL OBTAIN THE OWNER'S APPROVAL OF THE CONSTRUCTION SCHEDULE PRIOR TO PROCEEDING WITH THE WORK.
- B. THE CONTRACTOR SHALL WORK WITH THE OWNER TO COORDINATE THE FINAL CONNECTION AND / OR ANY OTHER WORK THAT WILL IMPACT AREAS OF THE BUILDING OUTSIDE OF THE PROJECT WORK AREA.

01 33 23 SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES

- A. PRIOR TO APPROVAL ARCHITECTURAL, CIVIL, STRUCTURAL, HVAC, PLUMBING, FIRE PROTECTION, AND ELECTRICAL SHOP DRAWINGS, PRODUCT DATA, TEST RESULTS, AND SAMPLES.
- B. SHOP DRAWING SUBMITTALS SHALL BE MADE TO McMAHON ASSOCIATES, INC. FOR APPROVAL PRIOR TO ANY CONSTRUCTION INSTALLATION.
- C. SUBMITTALS SHALL BE MADE BY ELECTRONIC SUBMISSION IN PORTABLE DOCUMENT FORMAT (PDF) UNLESS NOTED OTHERWISE. WHEN HARD COPY SUBMISSIONS ARE REQUIRED, COORDINATE WITH McMAHON ASSOCIATES, INC. PRIOR TO SUBMISSION.
- D. SUBMITTALS SHALL BE MADE TO THE FOLLOWING INDIVIDUALS AT McMAHON ASSOCIATES, INC.:
1. PROJECT MANAGER: MARLEY GAST, Email: MGast@mcmgop.com
2. PROJECT ADMIN: LAURA MELIKE, Email: L.Melike@mcmgop.com
- E. SUBMITTAL SHALL BE MADE USING APPROVED SUBMITTAL FORM CONTAINING AT MINIMUM THE FOLLOWING INFORMATION:
1. McMAHON PROJECT NAME
2. McMAHON PROJECT NUMBER
3. SUBMITTAL DIVISION OF CONSTRUCTION
4. MATERIAL, SUPPLIER / SUB CONTRACTOR
5. SUBMITTAL DESCRIPTION (CONCRETE, MECHANICAL, ETC.) (MAX DESIGN)
- F. SUBMITTALS SHALL BE REVIEWED AND STAMPED BY THE CONTRACTOR PRIOR TO SUBMITTING FOR APPROVAL. CONTRACTORS SHALL COMPLETE ALL FIELD VERIFICATIONS PRIOR TO SUBMITTAL SUBMISSION.
- G. SUBMITTALS MUST BE 100% COMPLETE AND IN ONE (1) PACKAGE FOR THE ITEM BEING SUBMITTED. NON-COMPLETE SUBMITTALS WILL BE RETURNED TO THE CONTRACTOR WITH COMMENT AND INSTRUCTIONS. ONLY SELECTED SUBMITTALS. CONTRACTORS WHO KNOWINGLY WANT TO SUBMIT NON-COMPLETE SUBMITTALS OR BREAK SINGLE SYSTEM SUBMITTALS INTO MULTIPLE SUBMITTALS WILL BE RESPONSIBLE TO ARRANGE WITH McMAHON ASSOCIATES, INC. PRIOR TO SUBMITTING THE SUBMITTAL(S) AND TO COMPENSATE McMAHON ASSOCIATES, INC. FOR THE EXTRA WORK INVOLVED.
- H. SHOP DRAWINGS SHALL CLEARLY INDICATE SPECIFIC MODEL BEING PROVIDED WHERE CUT SHEETS SHOW MULTIPLE MODELS.
- I. FAILURE TO SUBMIT SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR FROM PROVIDING THE SPECIFIC EQUIPMENT AND MATERIALS.
- J. PHYSICAL SAMPLES FOR FINISHES ARE TO BE SUBMITTED TO McMAHON ASSOCIATES, INC. FOR APPROVAL PRIOR TO INSTALLATION.
- K. BUILDING COMPONENTS REQUIRING SUBMISSION "FOR RECORD" TO THE AUTHORITY HAVING JURISDICTION REQUIRE SEALED AND SIGNED HARD COPIES, PROVIDE THREE (3) HARD COPIES WITH WET SEAL AND ORIGINAL SIGNATURE.
- L. TEST RESULTS SHALL BE SUBMITTED FOR REVIEW WITHIN 24 HOURS OF COMPLETION OF TEST.
- M. CONTRACTOR SHALL ALLOW 10 WORKING DAYS IN SCHEDULE FOR A/E TO REVIEW SUBMITTALS. IF SUBMITTALS REQUIRE AN EXPEDITED REVIEW PROCESS, CONTACT McMAHON ASSOCIATES, INC. PRIOR TO SUBMITTING THE SUBMITTAL(S) TO MAKE APPROPRIATE ARRANGEMENT.
- N. SUBMITTALS REQUIRING RESUBMISSION SHALL HAVE CHANGES MADE TO A PREVIOUSLY REVIEWED SUBMITTAL DENOTED WITH REVISION CLOUDS AND TAGS IDENTIFYING CHANGES.
- O. STRUCTURAL AND ARCHITECTURAL PLANS SHOW DIMENSIONS AND ELEVATIONS TO SIGNIFICANT WORKING POINTS, SHOP DRAWING DETAILERS AND SUPPLIERS ARE RESPONSIBLE FOR THE DETERMINATION OF ALL DIMENSIONS, PITCHES, ELEVATIONS, ETC., PRIOR TO ANY REVISIONS. CONTRACTOR SHALL BE SUBMITTED IN RPT FORMAT AND MUST BE APPROVED IN THE SAME MANNER. CONTRACTOR REQUESTING CHANGE MAY BE BILLED ON AN AS-BUILT BASIS FOR ANY REVISIONS. CONTRACTOR SHALL BE BILLED FOR ALL NEW SKETCHES PREPARED, AND FOR ALL ADDITIONAL REVIEW TIME RELATED TO THE CHANGES.

01 40 00 QUALITY REQUIREMENTS

- A. IN AS MUCH AS THE SPECIFICATIONS ARE BRIEF, THE CONTRACTOR SHALL PROVIDE WORKMANSHIP THAT IS NEAT, SECURE, AND OF THE BEST POSSIBLE APPEARANCE AND UTILITY MEETING ALL APPLICABLE STANDARDS. FAULTY WORK SHALL BE REPAIRED OR REPLACED AT NO COST TO THE OWNER. INDUSTRY STANDARDS SHALL BE USED AS THE GUIDE FOR QUALITY OF MATERIALS AND WORKMANSHIP.

01 41 00 REGULATORY REQUIREMENTS

- A. ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES, AND REGULATIONS INCLUDING THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT (ADA) ARE MADE PART OF THESE SPECIFICATIONS AND SHALL BE COMPLIED WITH AS FAR AS THEY APPLY TO WORK UNDER THIS CONTRACT.

01 45 00 QUALITY CONTROL

- A. NOTIFY ARCHITECT ONE (1) WEEK IN ADVANCE TO SCHEDULE FINAL COMPLIANCE WALK-THRU. THE BUILDING SHALL BE COMPLETE AND ALL SYSTEMS OPERATIONAL AT THE TIME OF THE WALK THRU. IF THE ARCHITECT IS REQUIRED TO MAKE ADDITIONAL VISITS DUE TO NON-COMPLIANCE, THEY WILL BE CHARGED TO THE REQUESTING CONTRACTOR.

01 53 00 TEMPORARY CONSTRUCTION

- A. THE CONTRACTOR SHALL FURNISH TEMPORARY BRACING OF ALL BUILDING ELEMENTS, DURING CONSTRUCTION. TEMPORARY BRACING SYSTEMS SHALL BE DESIGNED TO WITHSTAND CODE DESIGN LOADS. CONTRACTOR SHALL RETAIN SERVICES OF A PROFESSIONAL ENGINEER TO DESIGN AND SUPERVISE BRACING INSTALLATION IF THEY NOT HAVE THE EXPERTISE REQUIRED.

01 71 00 FIELD ENGINEERING

- A. THE CONTRACTOR SHALL PROVIDE ALL LAYOUT AS REQUIRED, COMPETENT ON SITE SUPERVISION, AND BROOM CLEANING OF CONSTRUCTION SITE INCLUDING DUMPSTERS FOR REFUSE DISPOSAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY ON SITE AND PROTECTION OF SITE PER LOCAL, STATE, AND FEDERAL REQUIREMENTS.

01 78 00 CLOSEOUT SUBMITTALS

- A. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS REFLECTING ALL CHANGES DURING CONSTRUCTION. PROVIDE TWO (2) COPIES OF OPERATING AND MAINTENANCE MANUALS TO OWNER FOR ALL FURNISHED EQUIPMENT.

01 78 36 WARRANTIES

- A. THE CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR AFTER SUBSTANTIAL COMPLETION OF THE PROJECT. FURNISH MANUFACTURER'S WRITTEN WARRANTIES FOR SPECIFIED EQUIPMENT STATING EFFECTIVE WARRANTY DATE.

DIVISION 02 EXISTING CONDITIONS

02 41 19 SELECTIVE STRUCTURAL DEMOLITION

- A. CONDUCT DEMOLITION AND DEBRIS REMOVAL OPERATIONS TO INSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
- B. IF HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB, IMMEDIATELY NOTIFY ARCHITECT AND OWNER.
- C. DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS.
- D. EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE REUSED, SALVAGED, REINSTALLED OR RETURNED TO OWNERS PROPERTY, REMOVE DEMOLISHED MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN AN EPA APPROVED LANDFILL.

DIVISION 09 FINISHES

09 91 00 FINISH AND PAINTING

- A. PREPARE EXPOSED PIPE, FITTINGS, SUPPORTS, AND ACCESSORIES FOR FINISH PAINTING IN ROOMS THAT WILL HAVE CEILING AND STRUCTURE PAINTED.
- B. COORDINATE WORK WITH THE PAINTERS SO THAT ALL EQUIPMENT IS INSTALLED IS INSTALLED PRIOR TO PAINTING. P.C. SHALL PAINT ITEMS IF NOT IN PLACE PRIOR TO NORMAL ROUTINE PAINTING.
- C. IF FINISH BECOMES RUSTED, CORRODED, SCRATCHED, OR FLAKED DURING STORAGE OR INSTALLATION, REFINISH THE EQUIPMENT TO THE SATISFACTION OF THE OWNER.

DIVISION 22 PLUMBING

22 05 00 BASIC PLUMBING REQUIREMENTS

- DETAILS AND SCHEDULES ARE SHOWN TO ADJ. THE CONTRACTOR AND ARE NOT MEANT TO BE INCLUSIVE OF ALL DEVICES. PROVIDE REQUIRED EQUIPMENT AND ACCESSORIES FOR A COMPLETE INSTALLATION.
- B. INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND REQUIREMENTS. PROVIDE ADDITIONAL WORK AND MATERIALS AS REQUIRED.
- C. REGULATORY REQUIREMENTS:
1. PERFORM WORK PER ALL LOCAL AND STATE CODES, ORDINANCES, AND REGULATIONS HAVING JURISDICTION.
 2. PERFORM WORK PER STATE OF WISCONSIN CHAPTER SR3 382, "DESIGN, CONSTRUCTION, INSTALLATION, SUPERVISION, AND INSPECTION OF PLUMBING" AND "STANDARD SPECIFICATION FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN".
- D. COORDINATE INSTALLATION OF PLUMBING WORK WITH THE OTHER CONTRACTORS TO AVOID CONFLICTS WITH OTHER WORK.
- E. CUTTING AND PATCHING:
1. PROVIDE ALL CUTTING AND PATCHING NECESSARY FOR PLUMBING WORK; INSTALLATION UNLESS THIS WORK IS IDENTIFIED TO BE THE WORK OF OTHER CONTRACTORS.
- F. FIRE RATED INTERIOR WALL AND FLOOR PIPE PENETRATIONS:
1. SLEEVE REQUIRED FOR PENETRATION OF CONCRETE AND MASONRY WALLS AND FLOORS.
 2. SEAL OPENING AROUND PIPE WITH A U, APPROVED FIRE-STOP SYSTEM HAVING AN F-RATING NOT LESS THAN THE HOURLY RATING OF THE ASSEMBLY BEING PENETRATED.
 3. WHERE A SLEEVE IS REQUIRED, FURNISH AND INSTALL SLEEVES FOR NEW DRYWALL, WALLS, AND CONCRETE WALLS AND FLOORS. FURNISH SLEEVES TO THE MASON CONTRACTOR FOR INSTALLATION IN NEW MASONRY WALLS.
- G. SEALANTS:
1. PLUMBING CONTRACTOR SHALL PROVIDE ALL SEALANTS WHERE JOINT IS HIDDEN AND WHERE JOINT IS EXPOSED IN MECHANICAL ROOM.
 2. PLUMBING CONTRACTOR SHALL PROVIDE SEALANTS AT ALL LOCATIONS INCLUDING ALL THRU WALL PENETRATIONS.
- H. ESCUTCHEONS:
1. INSTALL ONE-PIECE (TWO-PIECE FOR EXISTING PIPE) POLISHED CHROME PLATED STEEL ESCUTCHEONS AT PENETRATIONS LOCATED IN FINISHED ROOMS (ROOMS WHICH DO NOT HAVE UNFINISHED CONCRETE FLOORS).
 2. ESCUTCHEONS WITH SPRINGS FOR WALL AND CEILING LOCATIONS.
 3. ESCUTCHEONS CLOSELY FIT AROUND PIPE / INSULATION, OD THAT COMPLETELY COVERS THE OPENING.
 4. ESCUTCHEONS REQUIRED IN CABINETS AND CASEWORK.
- I. PROJECT COMPLETION:
1. CLEAN FIXTURES AND EQUIPMENT, AND LEAVE IN PROPER WORKING CONDITION AT THE TIME OF FINAL CLOSE-OUT.
 2. REMOVE, CLEAN, AND REPLACE AERATORS AFTER FLUSHING WATER PIPING.
 3. PROVIDE OPERATING INSTRUCTIONS FOR A TOTAL OF ONE-HALF (0.5) HOURS. MAINTAIN RECORD OF OPERATING INSTRUCTIONS FOR PERIODS AND OBTAIN OWNER SIGNOFF THAT INSTRUCTIONS HAVE BEEN COMPLETED.
 4. PROVIDE PLUMBING EQUIPMENT OPERATING AND MAINTENANCE MANUALS TO THE OWNER PER IMC 384.04(5).
 5. AS-BUILT DRAWINGS SHALL BE MARKED ON A FINAL SET OF DRAWINGS WHICH INCLUDES ALL REVISIONS.
- 05 29 29 PIPE AND EQUIPMENT HANGERS AND SUPPORTS**
- A. MANUFACTURERS: B-LINE, EMPIRE INDUSTRIES, GLOBAL PIPE HANGER PRODUCTS, GRINNELL, NATIONAL PIPE HANGER, UNI-STRUT.
- B. ANGLES, CHANNELS, AND BEAMS: ASTM A36 AND A572 AS REQUIRED.
- C. HANGERS SHALL NOT BE ATTACHED TO JOIST BRIDGING.
- D. ATTACHMENT TO METAL DECK: HANGERS MAY BE ANCHORED TO METAL FLOOR / ROOF DECK IF ALL THE FOLLOWING CONDITIONS ARE MET:
1. MAXIMUM HANGER LOAD OF 50 LBS
 2. ANCHORED TO BOTTOM OF DECK FLUTE, NOT TOPPER FLUTE.
 3. ANCHOR LENGTH SHALL EXCEED DECK DEPTH.
- E. PIPE HANGERS / SUPPORTS:
1. SEE DETAILS ON PLANS FOR ADDITIONAL PIPE HANGER SPECIFICATIONS.
 2. HANGERS FOR PLASTIC PIPE SHALL BE 1/4" ON CENTER FOR HORIZONTAL PVC AND 1/2" ON CENTER FOR VERTICAL PVC. HANGERS FOR METAL PVC PIPE: 6'-0" ON CENTER FOR CPVC PIPE.
 3. CONFORM TO ASME B31.9 AND MANUFACTURER'S STANDARDIZATION SOCIETY (MSS) SP-88-2009.
 4. MATERIALS-W: CARLSON STEEL CLOVIS HANGER, COOPER B-LINE B3100.
 5. HANGERS FOR EQUIPMENT SHALL BE DESIGNED TO SUPPORT ALL DEAD AND LIVE STRESSES FROM MOVEMENT WILL NOT BE TRANSMITTED TO CONNECTED EQUIPMENT. ADJUST HANGERS TO DISTRIBUTE LOADS EQUALLY ON ATTACHMENTS AND TO PROVIDE INDICATED PIPE SLOPES.
- F. STRUT SYSTEM:
1. COMPLY WITH THE LATEST REVISION OF MFMA STANDARDS PUBLICATION NUMBER MFMA-33, "METAL FRAMING STANDARDS PUBLICATION".
 2. INSTALL STRUT IN ACCORDANCE WITH MFMA-102 "GUIDELINES FOR THE USE OF METAL FRAMING" AND ACCORDING TO EQUIPMENT MANUFACTURER'S RECOMMENDATIONS, AND WITH RECOGNIZED INDUSTRY PRACTICES.
 3. COLD FORMED LOW CARBON STEEL METAL FRAMING CHANNEL STRUCT: B-LINE TYPE B
 4. MEAN LOAD CAPACITY:
 5. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 6. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 7. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 8. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 9. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 10. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 11. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 12. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 13. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 14. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 15. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 16. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 17. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 18. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 19. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 20. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 21. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 22. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 23. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 24. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 25. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 26. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 27. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 28. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 29. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 30. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 31. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 32. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 33. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 34. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 35. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 36. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 37. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 38. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 39. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 40. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 41. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 42. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 43. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 44. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 45. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 46. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 47. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 48. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 49. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 50. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 51. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 52. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 53. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 54. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 55. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 56. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 57. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 58. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 59. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 60. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 61. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 62. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 63. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 64. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 65. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 66. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 67. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 68. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 69. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 70. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 71. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 72. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 73. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 74. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 75. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 76. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 77. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 78. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 79. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 80. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 81. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 82. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 83. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 84. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 85. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 86. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 87. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 88. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 89. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 90. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 91. 1-5/8 INCHES WIDE IN VARYING FINISH OR PLAIN FINISH.
 - 92.

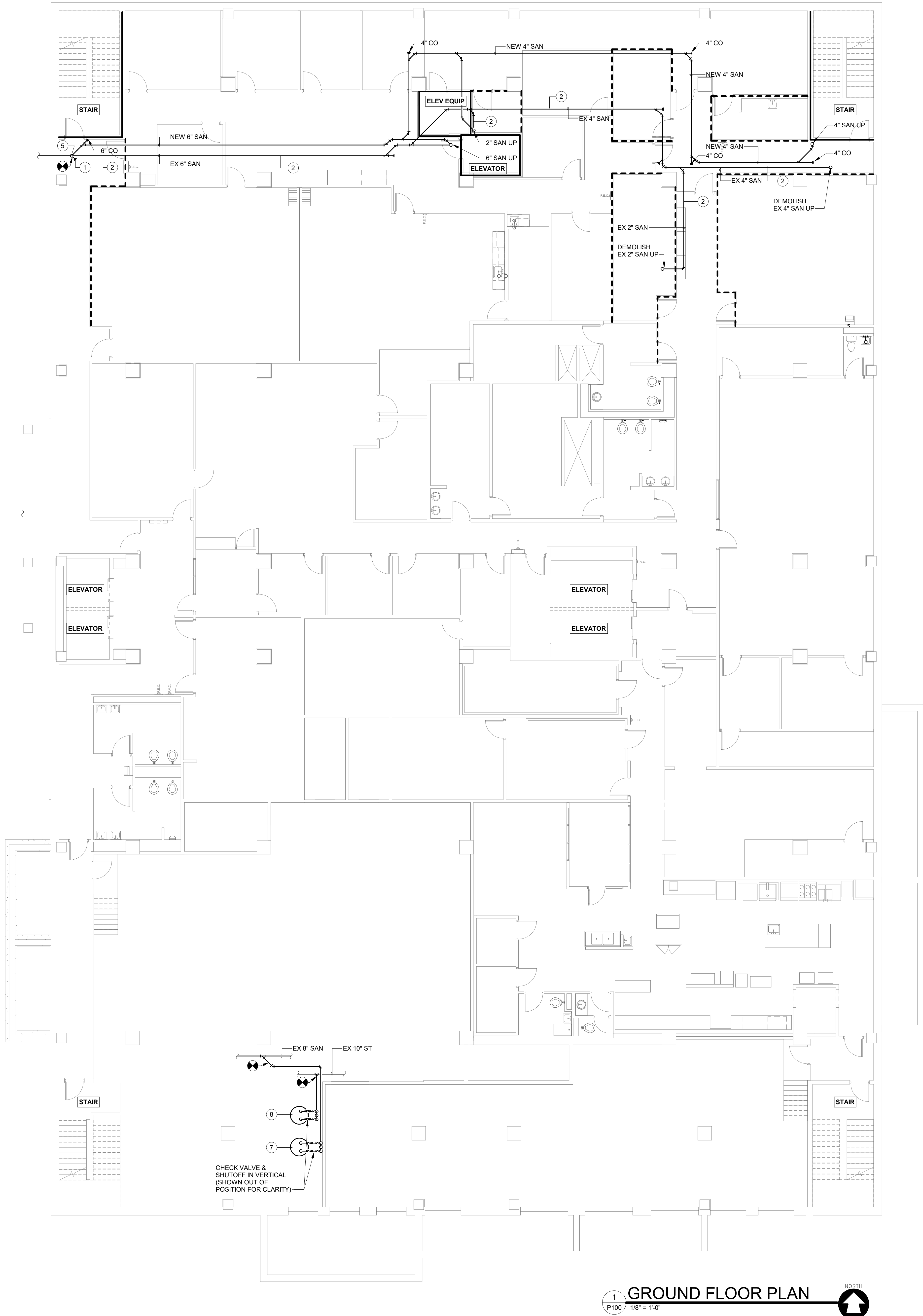
22 07 00 INSULATION

- A. GENERAL:**
- 1. SEE INSULATION SCHEDULES ON PLANS FOR ADDITIONAL INFORMATION.
 - 2. MINIMUM INSULATION SYSTEMS AND JACKETS SHALL MEET UL-723 / ASTM E84 REQUIREMENTS OF MAX. FIRE HAZARD CLASSIFICATION OF 25 AND MAX. FLAME SPREAD, FUEL CONTRIBUTED, AND SMOKE DEVELOPED OF 50 WHEN INSTALLED OVER PVC PIPE AND FITTINGS IN RETURN AIR PLenums.
 - 3. INSTALL MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND MCA PUBLICATION "COMMERCIAL AND INDUSTRIAL STANDARDS", 2011 SEVENTH EDITION.
 - 4. CONTINUE INSULATION WITHOUT INTERRUPTIONS THROUGH WALLS AND FLOOR PENETRATIONS AND HANGERS.
 - 5. CONTRACTOR SHALL PROVIDE MANUFACTURER CERTIFICATION OF MEETING THE FIRE CLASSIFICATION OF 25 AND SMOKE DEVELOPED OF 50 WHEN INSTALLED OVER PVC PIPE AND FITTINGS.
- B. FIBERGLASS (F.G.) INSULATION:**
- 1. RIGID PIRING
 - a. JOHNS MANVILLE MICRO-LOK-HI. FIBERGLASS PIPE INSULATION, 1 INCH THICKNESS.
 - b. JOINTS FOR DOUBLE ADHESIVE SELF-SEALING LAP SYSTEM FOR LONGITUDINAL JOINT. PRESSURE SENSITIVE BUTT STRIPS, ALL SERVICE JACKET VAPOR BARRIER COVERING.
 - c. 3.5 - 5.5 LB./CU. FT. R = 4.3 / NOMINAL INCH AT 75 DEG. F.
 - d. MAX. 850 DEG. F. JACKET MAX 150 DEG. F. 0.02 PER IN.
 - e. COMPRESSIVE STRENGTH AT 10% DEFORMATION 125 LB. / S.F.

22 13 00 SANITARY WASTE AND VENT PIPING

- 4. PIPING INSTALLATION:**
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 2. DRAWINGS AND DIAGRAMS SHOW SIZE AND APPROXIMATE LOCATION OF PIPING. THE DRAWINGS SHALL NOT BE SCALED TO DETERMINE EXACT LOCATION. PROVIDE ADDITIONAL OFFSETS TO COORDINATE WITH INSTALLATION REQUIREMENTS OF OTHER TRADES. ROUTE ABOVE GROUND PIPING IN ORDERLY MANNER. PARALLEL TO BUILDING STRUCTURE. OFFSET PIPE CONNECTIONS AT EQUIPMENT TO ALLOW FOR SERVICE, SUCH AS REMOVAL OF THE EQUIPMENT.
 3. USE 1/2" SCH 40S HUB ADAPTOR COUPLERS WHERE USING NO HUB COUPLINGS.
 4. SLOPE SANITARY PIPE 2" AND SMALLER 1/4" PER FOOT; 3" AND LARGER 1/8" PER FOOT.
 5. SEW DRAININGS AND DETAILS FOR PVC OR CPVC PIPING TO BE INSULATED.
 6. ANY TRANSITIONS BETWEEN PVC AND CPVC SHALL BE PERFORMED AS RECOMMENDED BY THE MANUFACTURER USING CPVC SOLVENT CEMENT AND CLEANING.
 7. CONTRACTOR SHALL RECEIVE STARTUP INSTRUCTIONS FROM MANUFACTURER'S REPRESENTATIVE PRIOR TO INSTALLING CPVC PIPING.
 8. CONTRACTOR SHALL PROVIDE MANUFACTURER'S CERTIFICATION FOR CPVC PIPE AND FITTINGS THAT MAY BE USED. IT HAS BEEN TESTED IN CONFORMANCE WITH ASTM E84 AND MEETS THE FLAME SPREAD INDEX OF 25 OR LESS, AND SMOKE DEVELOPMENT OF 50 OR LESS.
- 5. BORM AND SANITARY DRAIN PIPE TESTING: TEST DRAIN AND VENT PIPING PER CODE REQUIREMENTS**
- 6. SANITARY WASTE AND VENT PRODUCTS:**
1. CPVC WASTE AND VENT:
 - a. SPEARS LABWASTE CPVC SCHEDULE 40 PIPE AND DWV FITTINGS, ASTM F-2618 AND D-3311; SOLVENT CEMENT ASTM F-2618.

DESIGNED		DRAWN		<p>OC PLUMBING PROJECT:</p> <p>OUTAGAMIE COUNTY JUSTICE CENTER</p> <p>S. WALNUT & W. 8TH, APPLETON, WI 54911</p> <p>PLUMBING SPECIFICATIONS</p>									
MLS		BLG											
PROJECT NO.													
DATE													
APRIL 27, 2018				<p>SHEET NO.</p> <p>P002</p>									



- GENERAL NOTES:
1. THIS BUILDING USES RETURN AIR PLENUMS. PIPING SHALL BE INSTALLED IN SUCH A MANNER SO AS TO NOT BLOCK THE RETURN AIR PATH. RETURN AIR OPENINGS TO SHAFTS, AND INTAKE DUCTWORK.
 2. THE EXISTING BUILDING OCCUPANCY OF THE GROUND FLOOR AND FIRST FLOOR IS B, BUSINESS. THE SECOND FLOOR IS A-3, ASSEMBLY. THE THIRD, FOURTH, AND FIFTH FLOORS ARE I-3, INSTITUTIONAL.
 3. THE EXISTING BUILDING CONSTRUCTION CLASSIFICATION IS 1A.
 4. THE FLOOR CONSTRUCTION IS 2 HOUR FIRE RESISTANCE RATED - 10" PRECAST CONCRETE PLANK WITH 3" STRUCTURAL CONCRETE TOPPING.
 5. ALL FLOOR PENETRATIONS SHALL BE SEALED AND FIRE STOPPED WITH INTUMESCENT FIRE STOP COLLARS.
 6. INSULATE ALL CPVC SANITARY WASTE WITH 1" FIBERGLASS INSULATION. SEE SPECIFICATION SHEET.

PLAN KEYNOTES

- 1 DEMOLISH EXISTING CLEANOUT & CONNECT SAN TO EXISTING SAN THRU WALL.
- 2 DEMOLISH EXISTING CAST IRON SAN OR SAN VENT.
- 5 PROVIDE A RISER CLAMP TO VERTICAL SECTION OF PVC PIPE AT WALL & ANCHOR VERTICAL RISER TO WALL.
- 7 MODIFY DISCHARGE OF EXISTING DUPLEX SEWAGE EJECTOR. REMOVE 3" GALVANIZED RISER FROM PIT & CUT GROOVE FOR A VERTICAL COUPLING. INCREASE FROM 3" TO 4" & USE EXISTING 4" FLANGED SHUTOFF & CHECK VALVE. DEMOLISH EXISTING 5" NO HUB CAST IRON VERTICAL & HORIZONTAL PIPE AT CEILING & REPLACE WITH 6" SCHEDULE 40 GALVANIZED WITH CUT GROOVE VICTAULIC JOINTS. ALL FITTINGS SHALL BE GALVANIZED VICTAULIC GROOVED FITTINGS. CONNECT 6" GALVANIZED TO EXISTING 6" CAST IRON AT MAIN.
- 8 MODIFY DISCHARGE OF EXISTING DUPLEX CLEAR WATER PUMPS. REMOVE 2" GALVANIZED RISERS FROM PIT & CUT GROOVE FOR A VICTAULIC COUPLING. INCREASE FROM 2" TO 4" & RE-USE EXISTING 4" SHUTOFF & CHECK VALVES. DEMOLISH EXISTING 5" NO HUB CAST IRON TO 10" STORM MAIN AT CEILING & REPLACE WITH 4" SCHEDULE 40 GALVANIZED WITH CUT GROOVE VICTAULIC JOINTS. ADAPT TO EXISTING 5" NO HUB CAST IRON AT MAIN.

WALL LEGEND

- WALL WILL EXTEND TO FLOOR STRUCTURE ABOVE
- EXISTING 2 HOUR FIRE BARRIER WALL

1 GROUND FLOOR PLAN

P100 1/8" = 1'-0"



McMahon provides the drawings as instruments of service. All digital files shall be the property of McMahon. The client and/or recipient agrees to the fullest extent that McMahon shall retain the right to reproduce or use any part of the drawings or information contained herein for any purpose without the client's written consent by McMahon.

DESIGNED	DRAWN
MLG	BLG
PROJECT NO.	
00002-61800117	
DATE	
APRIL 27, 2018	
SHEET NO.	

OC PLUMBING PROJECT:
OUTAGAMIE COUNTY JUSTICE CENTER
S. WALNUT & W. 8TH, APPLETON, WI 54911
GROUND FLOOR PLAN

DESIGNED	DRAWN
MLG	BLG
PROJECT NO.	
00002-61800117	
DATE	
APRIL 27, 2018	
SHEET NO.	

P100



- GENERAL NOTES:
1. THIS BUILDING USES RETURN AIR PLENUMS. PIPING SHALL BE INSTALLED IN SUCH A MANNER SO AS TO NOT BLOCK THE RETURN AIR PATH, RETURN AIR OPENINGS TO SHAFTS, AND INTAKE DUCTWORK.
 2. THE EXISTING BUILDING OCCUPANCY OF THE GROUND FLOOR AND FIRST FLOOR IS B. BUSINESS. THE SECOND FLOOR IS A-3. ASSEMBLY. THE THIRD, FOURTH, AND FIFTH FLOORS ARE I-3, INSTITUTIONAL.
 3. THE EXISTING BUILDING CONSTRUCTION CLASSIFICATION IS 1A.
 4. THE FLOOR CONSTRUCTION IS 2 HOUR FIRE RESISTANCE RATED - 10\"/>

- PLAN KEYNOTES
2. DEMOLISH EXISTING CAST IRON SAN OR SAN VENT.
 3. 6\"/>

- WALL LEGEND
- WALL WILL EXTEND TO FLOOR STRUCTURE ABOVE
 - EXISTING 2 HOUR FIRE BARRIER WALL

1 FIRST FLOOR PLAN
P101 1/8\"/>

DESIGNED	DRAWN
MLS	BLG
PROJECT NO.	
00002-61800117	
DATE	
APRIL 27, 2018	
SHEET NO.	