CHARLES THOMPSON MEMORIAL HALL - Rehabilitation, HVAC Upgrade, & Addition

1824 Marshall Avenue, Saint Paul, MN 55104



 $\frac{1}{G000} \frac{G000 \text{ Site Map}}{12" = 1'-0"}$

GENERAL NOTES:

The building is to be fully protected from damage during the course of construction. All damaged areas and finishes resulting from this work are to be restored by the contractor to match existing construction.

The contractor shall verify all existing conditions and dimensions in the field before beginning work.

The contractor shall immediately report any discrepancies between drawings and existing conditions and dimensions to the architect for resolution.

Do not scale drawings.

Where "repair" or "in-fill" is indicated on the drawings, the repair or in-fill item is to match and blend with adjacent surfaces and features in all respects.

All construction is new unless specifically noted as existing.

Where "match" is indicated on the drawings, the item is to be duplicated in all respects including, but not necessarily limited to, dimension, construction method, material, profile, and finish.

Where "repair" or "in-fill" is indicated on the drawings, the repair or in-fill item is to match and blend with adjacent surfaces and features in all respects.

OWNER CONTACT:

Herman Fuechtmann Charles Thompson Memorial Hall 1824 Marshall Avenue Saint Paul, MN 55104 Email: hermanfuechty@gmail.com NORTH

PROJECT CONTACTS:

Owner Representative Herman Fuechtmann Charles Thompson Memorial Hall 1824 Marshall Avenue Saint Paul, MN 55104 Email: hermanfuechty@gmail.com

Architect of Record Todd Grover MacDonald & Mack Architects, Ltd. 400 South Fourth Street, Suite 712 Minneapolis, MN 55415 T: 612.341.4051 F: 612.337.5843

Collaborating Architect Gregg Hackett Gregg Hackett Architect 4342 Abbott Avenue South Minneapolis, MN 55410 T: 612.708.7584

<u>Structural Engineering</u> Ken Green Mattson Macdonald Young, Inc. 901 North Third Street, Suite 100 Minneapolis, MN 55401 T: 612.827.7825 F: 612.827.0805

Mechanical, Electrical, and Plumbing Engineering Cory Sutherland Hallberg Engineering 1750 Commerce Court White Bear Lake, MN 55110 T: 651.748.1100

<u>Civil Engineering</u> Troy Gamble Anderson Engineering 13605 First Avenue North, #100 Plymouth, MN 55441 T: 763.412.4022

<u>Elevator</u> Kathy Markwell Elevator Advisory Group, Inc. 14530 Pennock Avenue, Suite 104 Apple Valley, MN 55124 T: 952.432.4443 F: 952.432.4449

DRAWING INDEX			
DISCIPLINE	SHEET NO.	SHEET NAME	
GENERAL			
GENERAL	G000	COVER	
		SURVEY	
	0 וח		
CIVIL	C1.0	SITE & UTILITY PLAN	
CIVIL	C2.0	GRADING & EROSION CONTROL PLAN	
CIVIL	C3.0	DETAILS	
ARCHITECTURE			
ARCHITECTURE	A001	LIFE SAFETY PLAN	
ARCHITECTURE	A002		
ARCHITECTURE	A101 A102	DEMOLITION PLANS & DEMOLITION RCPS	
ARCHITECTURE	A151	CONSTR PLANS & ENLARGED PLANS	
ARCHITECTURE	A152	CONSTR PLANS & ENLARGED PLANS	
ARCHITECTURE	A153	CONSTRUCTION REFLECTED CEILING PLANS	
ARCHITECTURE	A201	DEMOLITION NORTH & SOUTH BUILDING ELEV	
ARCHITECTURE	A202	DEMOLITION EAST & WEST BUILDING ELEVATION	
ARCHITECTURE	A251		
ARCHITECTURE	A252	CONSTRUCTION BUILDING ELEVATIONS	
ARCHITECTURE	A200	BUILDING SECTIONS	
ARCHITECTURE	A302	BUILDING SECTIONS AND DETAILS	
ARCHITECTURE	A401	LL ENLARGED RESTROOM PLAN AND ELEVATIONS	
ARCHITECTURE	A402	ENLARGED RESTROOM PLANS AND ELEVATIONS	
ARCHITECTURE	A403		
ARCHITECTURE	A404	INTERIOR ELEVATIONS	
	A405		
STRUCTURAL	AUUT		
STRUCTURAL	\$000	STRUCTURAL NOTES AND SPECIAL INSPECTIONS	
STRUCTURAL	\$100	FOUNDATION PLAN	
STRUCTURAL	S101	FIRST FLOOR FRAMING PLAN	
STRUCTURAL	S102	SECOND FLOOR FRAMING PLAN	
STRUCTURAL	S103	THIRD FLOOR FRAMING PLAN	
STRUCTURAL	S104	ROOF FRAMING PLAN	
STRUCTURAL	S200	FOUNDATION DETAILS AND SECTIONS	
	5210		
STRUCTURAL	S220	ROOF FRAMING DETAILS AND SECTIONS	
STRUCTURAL ELECTRICAL	\$220	ROOF FRAMING DETAILS AND SECTIONS	
STRUCTURAL ELECTRICAL ELECTRICAL	S220 E000	ELECTRICAL TITLE SHEET AND SYMBOL LEGEND	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL	S220 E000 E001	ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLTION PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL	S220 E000 E001 E011	ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLTION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL	E000 E001 E011 E021 E031	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL FLECTRICAL	S220 E000 E001 E011 E021 E031 F041	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF FLECTRICAL DEMOLITION PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL	S220 E000 E001 E011 E021 E031 E041 E101	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL	S220 E000 E001 E011 E021 E031 E041 E101 E111	ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL	S220 E000 E001 E011 E021 E031 E041 E101 E111 E111 E121	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL	S220 E000 E001 E011 E021 E031 E041 E101 E111 E121 E121 E131	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL	S220 E000 E001 E011 E021 E031 E041 E101 E111 E121 E131 E201	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL	S220 E000 E001 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN LOWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL	S220 E000 E001 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 F231	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN LOWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN THIRD FLOOR POWER PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL	S220 E000 E001 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E221 E221 E221 E221 E22	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN LOWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN SECOND FLOOR POWER PLAN THIRD FLOOR POWER PLAN SECOND FLOOR POWER PLAN ROOF POWER PLAN ROOF POWER PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL	S220 E000 E001 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E221 E221 E221 E221 E22	ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN LOWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN FIRST FLOOR POWER PLAN ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM	
STRUCTURAL ELECTRICAL	S220 E000 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN LOWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN SECOND FLOOR POWER PLAN THIRD FLOOR POWER PLAN ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM	
STRUCTURAL ELECTRICAL	S220 E000 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M000	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN LOWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN FLOOR POWER PLAN ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM MECHANICAL TITLE SHEET	
STRUCTURAL ELECTRICAL MECHANICAL MECHANICAL	S220 E000 E001 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E221 E221 E231 E241 E800 M000 M001	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN IOWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN FLOOR POWER PLAN SECOND FLOOR POWER PLAN MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN	
STRUCTURAL ELECTRICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL	S220 E000 E001 E011 E021 E021 E031 E041 E101 E111 E121 E121 E221 E221 E221 E22	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN LOWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN FIRST FLOOR POWER PLAN MECHANICAL SCHEDULES AND POWER RISER DIAGRAM MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN	
STRUCTURAL ELECTRICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL	S220 E000 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M000 M001 M011 M021 M031	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN COWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL DEMOLITION PLAN	
STRUCTURAL ELECTRICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL	S220 E000 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M000 M001 M011 M031 M041	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN ELEVEL POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL DEMOLITION PLAN ROOF PLOOR MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN	
STRUCTURAL ELECTRICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL	S220 E000 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M000 M001 M011 M031 M041 M101	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN LOWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL DEMOLITION PLAN COOF MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN COOF MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN COOF MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN COOF MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN COOF MECHANICAL DEMOLITION PLAN COOF MECHANICAL DEMOLITION PLAN COOF MECHANICAL DEMOLITION PLAN COOF MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN COVER LEVEL MECHANICAL DEMOLITION PLAN	
STRUCTURAL ELECTRICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL	S220 E000 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M000 M001 M011 M031 M041 M111	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN LOWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN THIRD FLOOR POWER PLAN ROOF POWER PLAN ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL MECHANICAL	S220 E000 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M000 M001 M011 M021 M031 M041 M111 M121	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN COWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN SECOND FLOOR POWER PLAN MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN FOR MECHANICAL DEMOLITION PLAN FOR MECHANICAL DEMOLITION PLAN FOR MECHANICAL DEMOLITION PLAN FOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL MECHANICAL	S220 E000 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M000 M001 M011 M021 M031 M041 M101 M111 M121	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN THIRD FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN LOWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN THIRD FLOOR POWER PLAN MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN SECOND FLOOR MECHANICAL PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL MECHANICAL	S220 E000 E001 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M000 M001 M011 M021 M031 M041 M101 M111 M121 M131 M141	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN THIRD FLOOR LIGHTING PLAN LOWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN THIRD FLOOR POWER PLAN ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL PLAN ROOF MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN	
STRUCTURAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL ELECTRICAL MECHANICAL	S220 E000 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M000 M001 M011 M021 M031 M041 M101 M111 M121 M131 M141 M211	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN INTRO FLOOR LIGHTING PLAN LOWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN THIRD FLOOR POWER PLAN ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FOR MECHANICAL DEMOLITION PLAN LOWER LEVEL MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FURCH FLOOR FLO	
STRUCTURAL ELECTRICAL MECHANICAL	S220 E000 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M001 M011 M021 M031 M041 M101 M111 M121 M131 M141 M201 M211	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN HIRD FLOOR LIGHTING PLAN COVER LEVEL POWER PLAN FIRST FLOOR LIGHTING PLAN HIRD FLOOR LIGHTING PLAN COVER LEVEL POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN THIRD FLOOR POWER PLAN THIRD FLOOR POWER PLAN ROOF POWER PLAN ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL PLAN ROOF MECHANICAL PLAN ROOF MECHANICAL PLAN FIRST FLOOR PLONG PLAN FIRST FLOOR PLONG PLAN	
STRUCTURAL ELECTRICAL MECHANICAL	S220 E000 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M001 M011 M021 M031 M041 M101 M111 M121 M131 M141 M201 M211 M231	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN ILOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN ILOWER LEVEL POWER PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN HIRD FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN HIRD FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN SECOND FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN HIRD FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR PLON FLON FLAN FIRST FLOOR PLON FLON FLAN FIRST FLOOR PLON FLON FLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR PLON FLON FLAN FIRST FLOOR PLON FLON FLAN FIRST FLOOR PLON FLAN FIRST FLOOR PLAN FLAN FIRST FLOOR PLON FLAN FIRST FLOOR PLAN FLAN FIRST FLOOR PLAN FIRST FLOOR PLAN FIRST FLOOR PLAN	
STRUCTURAL ELECTRICAL MECHANICAL	S220 E000 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M000 M001 M011 M021 M031 M041 M101 M111 M121 M131 M141 M201 M211 M231 M231 M231 M231 M231	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN LOWER LEVEL DOWER PLAN FIRST FLOOR LIGHTING PLAN LOWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN HIRD FLOOR POWER PLAN ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL DEMOLITION PLAN ROOF PLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR PLONG PLAN	
STRUCTURAL ELECTRICAL MECHANICAL	S220 E000 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M000 M001 M011 M021 M031 M041 M101 M111 M121 M131 M141 M201 M231 M300	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN IOWER LEVEL DOWER PLAN FIRST FLOOR LIGHTING PLAN LOWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL PLAN HIND FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR PLONG PLAN FIRST F	
STRUCTURAL ELECTRICAL MECHANICAL	S220 E000 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M000 M001 M011 M021 M031 M041 M101 M111 M121 M131 M141 M201 M231 M700 M800	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN ECHANICAL TITLE SHEET LOWER PLAN ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM MECHANICAL DEMOLITION PLAN ELOOR MECHANICAL PLAN	
STRUCTURAL ELECTRICAL MECHANICAL	S220 E000 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M000 M001 M011 M021 M031 M041 M101 M111 M121 M131 M141 M201 M231 M700 M800	ELECTRICAL TITLE SHEET AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN ROOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN IDWER LEVEL POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN FIRST FLOOR POWER PLAN ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR PIPING PLAN FIRST FLOOR PIPING PLAN FIRST FLOOR PIPING PLAN	
STRUCTURAL ELECTRICAL MECHANICAL	S220 E000 E001 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M000 M001 M011 M021 M031 M041 M101 M111 M121 M131 M141 M201 M231 M700 M800	ROOP FRAMING DETAILS AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN NOOF ELECTRICAL DEMOLITION PLAN LOWER LEVEL LIGHTING PLAN FIRST FLOOR LIGHTING PLAN LOWER LEVEL LIGHTING PLAN SECOND FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN LOWER LEVEL POWER PLAN SECOND FLOOR PLAN FIRST FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN SECOND FLOOR POWER PLAN ROOF POWER PLAN ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN ROOF MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL PLAN ROOF MECHANICAL PLAN SECOND FLOOR MECHANICAL PLAN FIRST FLOO	
STRUCTURAL ELECTRICAL MECHANICAL	S220 E000 E001 E011 E021 E031 E041 E101 E111 E121 E131 E201 E211 E221 E231 E241 E800 M000 M011 M021 M031 M041 M111 M121 M131 M141 M201 M231 M700 M800	ROOF PRAMING DETAILS AND SECTIONS ELECTRICAL TITLE SHEET AND SYMBOL LEGEND LOWER LEVEL ELECTRICAL DEMOLITION PLAN FIRST FLOOR ELECTRICAL DEMOLITION PLAN SECOND FLOOR ELECTRICAL DEMOLITION PLAN NOOF ELECTRICAL DEMOLITION PLAN COWER LEVEL LIGHTING PLAN SECOND FLOOR LIGHTING PLAN SECOND FLOOR LIGHTING PLAN I HIRD FLOOR LIGHTING PLAN COWER LEVEL PLOWER PLAN SECOND FLOOR POWER PLAN FIRST FLOOR POWER PLAN SECOND FLOOR POWER PLAN ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM MECHANICAL TITLE SHEET LOWER LEVEL MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN FIRST FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL DEMOLITION PLAN SECOND FLOOR MECHANICAL DEMOLITION PLAN THIRD FLOOR MECHANICAL PLAN ROOF MECHANICAL PLAN SECOND FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN COWER LEVEL MECHANICAL PLAN SECOND FLOOR MECHANICAL PLAN THIRD FLOOR MECHANICAL PLAN SECOND FLOOR MECHANICAL PLAN SECOND FLOOR MECHANICAL PLAN SECOND FLOOR MECHANICAL PLAN THIRD FLOOR MECHANICAL PLAN COWER LEVEL MECHANICAL PLAN SECOND FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN SECOND FLOOR MECHANICAL PLAN SECOND FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN FIRST FLOOR MECHANICAL PLAN SECOND FLOOR MECHANICAL PLAN FIRST FLOOR PIPING PLAN FIRST FLOOR PLANIS FILOR PLANIS	



COVER

ion





Todd Grover #43014 10 09 2018





15823_s_base

SITE LOCATION: 1824 Marshall Avenue, St. Paul, Minnesota.

PROPERTY DESCRIPTION:

CERTIFICATION:

I hereby certify that this survey was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.

Dated: July 24, 2020

NOTES:

- easements or encumbrances.

BUILDING	SETBACKS
Front	= 0-25 feet
Rear	= 13 feet fro
Side	= 6 feet

A_{C}	AIR C	C
	CATC	Н
CD	CLEA	Ν
G	GAS	М
ۇل	HAND	
	HAND	Η
\bigodot	HYDR	A
q	LIGHT	-
\bigcirc	MANH	łC
\mathcal{O}	POWE	R
Å	PUSH	
\mathbb{R}	ROOF	.
(\mathbb{Z})	SANI	ΓΑ
۲	SEMA	P
	SIGN	
(T)	TELEF	가
W	WATE	R
ullet	FOUN	D
0	SET I	4
\bigcirc	DECIE)L

EXISTING CONDITIONS SURVEY

SURVEY FOR: MACDONALD & MACK ARCHITECTS

Lots 1 and 2, Block 1, SECOND ADDITION MERRIAM PARK, Ramsey County, Minnesota.

Anderson Engineering of Minnesota, LLC

by:

David Anderson Minnesota License No. 43501

1. The horizontal datum and bearings are based on the Ramsey County Coordinate System NAD83 (2011).

2. The vertical datum is NAVD 88. The site benchmark is top nut of hydrant located in the northeast quadrant of Marshall Avenue and Fairveiw Avenue North (depicted hereon). Elevation = 930.39 feet.

3. The location and extent of underground utilities, if shown, are based upon existing drawings provided by the utility companies, above ground evidence and Gopher State One Call markings per ticket number 201601176. Exclusive of excavation, there is no guarantee as to the accuracy or the completeness of this information. The size and location should be considered approximate. Additional underground utilities may be present. Verification of the existence and location dutilities of all utilities should be obtained from the utility owners prior to any planning or design. In accordance with Minnesota Statute, the location of utilities shall be confirmed prior to any demolition or construction.

4. No title work was provided for the preparation of this survey to verify the legal description or the existence of any

5. According to the City of St. Paul, the subject property is zoned T1 (Traditional Neighborhood) and has the building setback requirements listed below. No zoning letter was provided for this survey. It is recommended that the property owner obtain a zoning letter from the City to verify all conditions that affect the property through the city zoning ordinance. This survey does not purport to describe all conditions contained in said ordinance.

om centerline of adjoining alley.

LEGEND

CONDITIONER	COMM	COMMUNICATION
CH BASIN	XX	FENCE
N OUT	——— GAS ———	GAS MAIN
METER	OHW	OVERHEAD WIRES
DICAP PARKING	>	SANITARY SEWER
DHOLE ELECTRIC	>>	STORM SEWER
ANT	I	WATER MAIN
F POLE		BITUMINOUS SURFACE
HOLE		
ER POLE	A A A.	CONCRETE SURFACE
I BUTTON WALK		
DRAIN		IRUNCATED DOMES
TARY MANHOLE		
PHORE		

EPHONE MANHOLE TER VALVE JND IRON MONUMENT MONUMENT WITH L.S. NO. 43501 CIDUOUS TREE





Anderson Engineering of Minnesota, LLC 13605 1st Avenue North, Suite 100 Plymouth, MN 55441 763-412-4000 (o) 763-412-4090 (f)

ENVIRONMENTAL SERVICES • LANDSCAPE ARCHITECTURE WWW.ae-mn.com







LEGEND



PROPERTY LINEREMOVE BUILDINGREMOVE ASPHALT PAVEMENTREMOVE CONCRETE PAVEMENTREMOVE CURB & GUTTER



KEYNOTES

$\langle 1 \rangle$	REMOVE EXISTING HVAC UNIT
2	REMOVE EXISTING ROOF DRAIN
3	PROTECT EXISTING GAS METER
$\langle 4 \rangle$	PROTECT EXISTING HVAC UNIT

rial ddition Thompson Memo n, HVAC Upgrade, and A 55104 Paul, MN _Revisi Saint Avenue, Eat Charles Th Rehabilitation, 1824 Marshall drawn DEMOLITION PLAN

M A

 \mathcal{R}

S

Н

A

L

L



1 SITE PLAN SCALE: 1" = 10'



LEGEND



2

PROPERTY LINE NEW ASPHALT PAVEMENT NEW CONCRETE PAVEMENT NEW STORM SEWER NUMBER OF PARKING STALLS



 $\overline{\bigcirc}$

KEYNOTES

	NEW VEHICULAR CONCRETE PAVEMENT
2	NEW PEDESTRIAN CONCRETE PAVEMENT
3	NEW CATCH BASIN W/ 2'x2' CONCRETE COLLAF
$\langle 4 \rangle$	NEW UNDERGROUND ROOF DRAIN EXTENSION
<u>(5)</u>	NEW RETAINING WALL
6	NEW STAIRS

A Ś Η A L Г \mathcal{C} E

rid ddition Thompson Memo n, HVAC Upgrade, and A 55104 Paul, MN _Revisi Saint Avenue, E a T Charles Th Rehabilitation, 1824 Marshall drawn

SITE & UTILITY PLAN

 $\bigcap 1$

1 GRADING & EROSION CONTROL PLAN SCALE: 1" = 10'





LEGEND

	PROPERTY LINE
_ · · · _	CONSTRUCTION LIMITS
<u> </u>	EXISTING MINOR CONTOUR
— — 965 — —	EXISTING MAJOR CONTOUR
966	PROPOSED MINOR CONTOUR
965 ———	PROPOSED MAJOR CONTOUR
SF	SILT FENCE
	BIOROLL
× 959.4	EXISTING SPOT ELEVATION
\Rightarrow	DRAINAGE ARROW
×(970.1)	SPOT ELEVATION
×(TC 970.1)	TOP OF CONCRETE
×(ME 970.1)	MATCH EXISTING ELEVATION



 $\langle 1 \rangle$

 $\prod_{a=1}^{C} \prod_{a=2}^{A} \prod_{a=2}^{A}$ ALD CDON/ - ∿ ح∽ د . ° °≥ 4 ⊄ ≩

_____ \Box ____ \Box rid dditior $\bigcirc \triangleleft$ Mem e, and 55104 Paul, MN REVISI NOMPSON HVAC Upgrade Saint Avenu($\overline{}$ Charles Th Rehabilitation, Marshall 1824 d r a w r GRADING & EROSION CONTROL PLAN



ASPHALT PAVING SECTION









8 ROCK CONSTRUCTION ENTRANCE



9 INLET PROTECTION SEDIMENT FILTER SACK



(7) CITY OF ST. PAUL CONCRETE DRIVEWAY DETAIL

 $\prod_{{}^{7}} \prod_{{}^{1},{}^{2},{}^{3},{}^{3},{}^{7}} H$ പംഗ S مسٰ _ک ل__ ◄ ⊢ • ALD ⊆ v ⊢ш N − ғо и Р[5] ђ cD Z ∢ °°≯ 4 ⊄≥ _____ _____ \bigcirc ____ Ο — · — $\Box \stackrel{+}{:=} \Box$ $\sim - \overline{\bigcirc}$ $\nabla \neg$ $\bigcirc \triangleleft$ end 55104 \geq NOMPSON N HVAC Upgrade, Z Z - s - ^ > aul, ° ^{R E} -Sain Ð \neg \vdash A A Charles Th Rehabilitation, ОШ \triangleleft a S L S ar Σ 4 ≥ 182' dra DETAILS

To be submitted with 90% review

KEYNOTES

LEGEND



HARLES THOMPSON MEMORIAL HALL	nabilitation, HVAC Upgrade, and Addition	4 Marshall Avenue, Saint Paul, MN 55104	NN BY Author	E 09/17/20 REVISIONS
CHA	Reha	1824	DRAWN	DATE
LIFE	SAF	ETY	PL/	٩N







02-01	REMOVE AND SALVAGE LIGHT FOSTS.
02-02	REMOVE PORCH RAILINGS AND STAIR HANDRAILS.
02-03	REMOVE AND SALVAGE STONE STEPS.
02-04	REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE.
02-05	REMOVE MESH SCREEN AND SALVAGE FRAME.
02-06	DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK.
02-07	DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE
00.00	CAPS, CONCRETE FOUNDATION AND BASE TO REMAIN.
02-08	REMOVE BRICK INFILL IN PORCH OPENINGS AND DEMOLISH CONCRETE
	AND CONCRETE.
02-09	DEMOLISH WALL AND NOTIFY ARCHITECT. ARCHITECT TO INSPECT AREA
	BENEATH STAIRS BEFORE INFILLED.
02-10	INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS.
	SALVAGE CAST STONE BASES FOR REINSTALLATION.
02-11	REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE
02-12	SALVAGE DOOR FOR REINSTALLATION
02-13	REMOVE ALL EXISTING TOULET ROOM PARTITIONS AND STALL DOORS
02-14	REMOVE TOILETS.
02-15	REMOVE WALLS AND CONCRETE AT GRADE. SEE STRUCTURAL DRAWINGS
	FOR EXTENT BELOW GRADE.
02-16	REMOVE METAL BARS FROM WINDOWS.
02-18	DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF
	EXTERIOR BRICK WALL, SEE DEMOLITION DETAILS, DISMANTLE CAST STONE
02.19	
02-77	REMOVE DOOR RETAIN DOOR CASING AND TRIM IN PLACE
02-21	REMOVE RADIATOR.
02-22	REMOVE KITCHEN APPLIANCES.
02-23	REMOVE COUNTERTOPS.
02-24	REMOVE CEILING.
02-25	REMOVE LIGHT FIXTURE.
02-27	REMOVE SINK FIXTURE.
02-28	
02-29	
02-30	
02-31	
02-32	
02-49	
02-57	VINYI FLOORING TO BE REMOVED
02-53	Laminate flooring to be removed
02-54	REMOVE HVAC UNITS
02-55	REMOVE FLUORESCENT LIGHT TRAYS
02-57	REMOVE EXISTING PLYWOOD COVERINGS OVER OPENINGS.
03-01	INFILL OPENINGS WITH CONCRETE MASONRY UNITS.
03-02	POUR CONCRETE FOOTINGS AND PIER BASE
03-04	RECONSTRUCT CONCRETE SIDEWALK. SEE CIVIL.
04-01	RESET STONE AT PORCH EDGE AND INSTALL REPLACEMENT CAST STONE TO
	MATCH ORIGINAL
04-02	REBUILD STAIR WALLS USING SALVAGED BRICK WHERE NECESSARY. INSTALL
	REPLACEMENT CAST STONE CAPS TO MATCH ORIGINAL.
04-03	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH PAINT (DO NOT
04-03	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS).
04-03	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT.
04-03 04-04 04-05	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS.
04-03 04-04 04-05 04-06	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD.
04-03 04-04 04-05 04-06 04-07 04-08	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP
04-03 04-04 04-05 04-06 04-07 04-08 05-01	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS PAINT METAL AND PROVIDE NEW GLOBES
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL HANDRAIL.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-01	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS).INSTALL FLEXIBLE JOINT.REINSTALL STEPS.CLEAN CAST STONE AROUND DOOR AND THRESHOLD.REPAIR CRACK/HOLE IN CONCRETE/MASONRY.REBUILD PIER AND STONE CAP.RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES.INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS.INSTALL BALCONY GUARDRAIL.INSTALL HANDRAIL.INSTALL WOOD BALUSTRADE AT PORCH AND STEPS.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-01 06-02	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL HANDRAIL. INSTALL WOOD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-01 06-03	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS).INSTALL FLEXIBLE JOINT.REINSTALL STEPS.CLEAN CAST STONE AROUND DOOR AND THRESHOLD.REPAIR CRACK/HOLE IN CONCRETE/MASONRY.REBUILD PIER AND STONE CAP.RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES.INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS.INSTALL BALCONY GUARDRAIL.INSTALL HANDRAIL.INSTALL HANDRAIL.INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES.REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-01 06-03 06-04	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL HANDRAIL. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-01 06-03 06-04 06-05	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS).INSTALL FLEXIBLE JOINT.REINSTALL STEPS.CLEAN CAST STONE AROUND DOOR AND THRESHOLD.REPAIR CRACK/HOLE IN CONCRETE/MASONRY.REBUILD PIER AND STONE CAP.RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES.INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS.INSTALL BALCONY GUARDRAIL.INSTALL HANDRAIL.INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES.REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS.INSTALL BALCONY RAILING POST.INSTALL BALCONY BALUSTRADE.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-01 06-03 06-04 06-05 06-06	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS).INSTALL FLEXIBLE JOINT.REINSTALL STEPS.CLEAN CAST STONE AROUND DOOR AND THRESHOLD.REPAIR CRACK/HOLE IN CONCRETE/MASONRY.REBUILD PIER AND STONE CAP.RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES.INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS.INSTALL BALCONY GUARDRAIL.INSTALL HANDRAIL.INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES.REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS.INSTALL BALCONY RAILING POST.INSTALL BALCONY BALUSTRADE.REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-01 06-03 06-04 06-05 06-06	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL HANDRAIL. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-01 06-02 06-03 06-04 06-05 06-06 06-07	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL WOOD BALUSTRADE AT PORCH AND STEPS. INSTALL WOOD BALUSTRADE AT PORCH AND STEPS. INSTALL WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-01 06-03 06-04 06-05 06-06 06-07 06-08	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL WOOD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR LOWER PORTION OF CORNICE REPAINT
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-01 06-02 06-03 06-04 06-05 06-06 06-07 06-08 07-01	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL MODD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR LOWER PORTION OF CORNICE. REPAINT. REPAIR LOWER PORTION OF CORNICE. REPAINT.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-01 06-02 06-03 06-04 06-05 06-06 06-07	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL MOOD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR LOWER PORTION OF CORNICE. REPAINT. REPAIR LOWER PORTION OF CORNICE. REPAINT. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-01 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-01	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL MODD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR LOWER PORTION OF CORNICE. REPAINT. REPAIR LOWER PORTION OF CORNICE. REPAINT. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-01 06-02 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-02	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL MODD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR LOWER PORTION OF CORNICE. REPAINT. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDU !! E
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-01 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-01 08-02 08-03	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL HANDRAIL. INSTALL MOOD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY RAILING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL PERMANENT DOOR STOP. SEE DOOR SCHEDU IF
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-01 06-02 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-02 08-03 08-03 08-04	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL HANDRAIL. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY RAILING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR NOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR NOOD PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL PERMANENT DOOR STOP. SEE DOOR SCHEDULE. REPAINT WOOD EXTERIOR OF WINDOW/DOOR.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-03 08-03 08-04 09-01	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL PERMANENT DOOR STOP. SEE DOOR SCHEDULE. REPAINT WOOD EXTERIOR OF WINDOW/DOOR. REINSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-02 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-01 08-02 08-03 08-04 09-01	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RALLING POST. INSTALL BALCONY RALLING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL PERMANENT DOOR STOP. SEE DOOR SCHEDULE. REPAINT WOOD EXTERIOR OF WINDOW/DOOR. REINSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-03 08-03 08-04 09-01 09-02 00-02	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL MODD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL PERMANENT DOOR STOP. SEE DOOR SCHEDULE. REPAINT WOOD EXTERIOR OF WINDOW/DOOR. REPAINT WOOD EXTERIOR OF WINDOW/DOOR. REPAINT WOOD EXTERIOR OF WINDOW/DOOR. REPAINT WOOD EXTERIOR OF WINDOW/DOOR. REPAINT WOOD EXTERIOR OF WINDOW/DOOR. REINSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. RESTORE PLASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT. SCEPARE AND REASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-01 08-02 08-03 08-04 09-01 09-02 09-03	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL HANDRAIL. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD DONT RIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD DONT RIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD DONT RIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD DONTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL PERMANENT DOOR STOP. SEE DOOR SCHEDULE. REPAINT WOOD EXTERIOR OF WINDOW/DOOR. REINSTALL PERMANENT DOOR STOP. SEE DOOR SCHEDULE. REPAINT WOOD EXTERIOR OF WINDOW/DOOR. REINSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. RESTORE PLASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT. SCRAPE AND REPAINT WOOD TRIM AND CORNICE OF BOW WINDOW EXTERIOR.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-03 08-03 08-03 08-03 09-01 09-02 09-03	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL MODD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY RAILING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL PERMANENT DOOR STOP. SEE DOOR SCHEDULE. REPAIR WOOD EXTERIOR OF WINDOW/DOOR. REINSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. RESTORE PLASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT. SCRAPE AND REPAINT WOOD TRIM AND CORNICE OF BOW WINDOW EXTERIOR. PAINT EXISTING FLASHING.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-01 08-02 08-03 08-04 09-01 09-02 09-03	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL MOOD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. REPAINT WOOD EXTERIOR OF WINDOW/DOOR. REINSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. RESTORE PLASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT. SCRAPE AND REPAINT WOOD TRIM AND CORNICE OF BOW WINDOW EXTERIOR. PAINT EXISTING FLASHING. PAINT EXISTING FLASHING. PAINT METAL CORNICE AND PARAPET CAP.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-02 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-01 08-02 08-03 08-04 09-01 09-02 09-03 09-04 09-05 10-01	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL MOOD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PAIL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PAIL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PAIL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL PERMANENT DOOR STOP. SEE DOOR SCHEDULE. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL PERMANENT DOOR STOP. SEE DOOR SCHEDULE. REPAIR TOODE EXTERIOR OF WINDOW/DOOR. REINSTALL PERMANENT DOOR STOP. SEE DOOR SCHEDULE. REPAINT WOOD EXTERIOR OF WINDOW/DOOR. REINSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. RESTORE PLASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT. SCRAPE AND REPAINT WOOD TRIM AND CORNICE OF BOW WINDOW EXTERIOR. PAINT EXISTING FLASHING. PAINT METAL CORNICE AND PARAPET CAP. PROVIDE MIRROR. SEE PLUMBING ACCESSORY SCHEDULE.
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-03 08-04 09-01 09-02 09-03 09-04 09-05 10-01	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL MOOD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY RAILING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PAIL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PAIL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PAIL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL PERMANENT DOOR STOP. SEE DOOR SCHEDULE. REPAIR TOODE EXTERIOR OF WINDOW/DOOR. REINSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. RESTORE PLASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT. SCRAPE AND REPAINT WOOD TRIM AND CORNICE OF BOW WINDOW EXTERIOR. PAINT EXISTING FLASHING. PAINT METAL CORNICE AND PARAPET CAP. PROVIDE MIRROR. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE MIRROR. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE WALL.MOUNTED SOAP DISPENSER. SEE PLUMBING ACCESSORY
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-02 06-03 06-04 06-05 06-06 06-07 08-01 08-02 08-03 08-04 09-01 09-02 09-03 09-04 09-05 10-01 10-06	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUID PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY RUMON GOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD DOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. <tr< td=""></tr<>
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-03 06-04 06-05 06-06 06-07 08-03 08-01 08-02 08-03 08-04 09-01 09-02 09-03 09-04 09-05 10-01 10-06 22-01	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD DONG TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD DONG TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD DONG TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD DONG TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR AND O PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. RESTORE PLASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT. SCRAPE AND REPAINT WOOD TRIM AND CORNICE OF BOW WINDOW EXTERIOR. PAINT EXISTING FLASHING. PAINT EXISTING FLASHING. PAINT EXISTING FLASHING. PAINT EXISTING FLASHING. PAINT EXISTING FLASHING. PAINT METAL CORNICE AND PARAPET CAP. PROVIDE MARCOR. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE WALL-MOUNTED SOAP DISPENSER. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE WALL-MOUNTED SOAP DISPENSER. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE WALL MOUNTED SOAP DISPENSER. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE WALL MOUNTED TONEL
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-03 08-04 09-01 09-02 09-03 09-04 09-05 10-06 22-01 22-02	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL MODD BALUSTRADE AT PORCH AND STEPS. INSTALL MODD BALUSTRADE AT PORCH AND STEPS. INSTALL MOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY RAILING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD DOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PAINEL IN PLACE OF MINIT. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOOR SAND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL PERMANENT DOOR STOP. SEE DOOR SCHEDULE. REPAINT WOOD EXTERIOR OF WINDOW/DOOR. REINSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. RESTORE PLASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT. SCRAPE AND REPAINT WOOD TRIM AND CORNICE OF BOW WINDOW EXTERIOR. PAINT METAL CORNICE AND PARAPET CAP. PROVIDE MARCOR. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE WALL-MOUNTED SOAP DISPENSER. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE WALLMOUNTED SOAP DISPENSER. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE WALLMOUNTED SOAP DISPENSER. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE WALL MOUNT FAUCET SINK. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE WALL MOUNT FAUCET SINK. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE WALL MOUNT
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-02 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-01 08-02 08-03 08-04 09-01 09-02 09-03 09-04 09-05 10-06 22-01 22-02	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL MODE DALUSTRADE AT PORCH AND STEPS. INSTALL MOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BOOL OCOLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY RAILING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL PERMANENT DOOR STOP. SEE DOOR SCHEDULE. REPAINT WOOD EXTERIOR OF WINDOW/DOOR. REINSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. RESTORE PLASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT. SCRAPE AND REPAINT WOOD TRIM AND CORNICE OF BOW WINDOW EXTERIOR. PAINT METAL CORNICE AND PARAPET CAP. PROVIDE MARROR. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE MALL MOUNTED SOAP DISPENSER. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE WALL MOUNTED SOAP DISPENSER. SEE PLUMBING
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-03 08-04 09-01 09-02 09-03 09-04 09-05 10-01 10-02 10-04 22-02	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL DANCON GUARDRAIL. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. RESTORE PLASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT. </td
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-03 06-04 06-05 06-06 06-07 08-01 08-02 08-03 08-04 09-01 09-02 09-03 09-04 09-05 10-06 22-01 22-02 22-04	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. REINSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. REINSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. RESTORE PLASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT. SCRAPE AND REPAINT WOOD TRIM AND CORNICE OF BOW WINDOW EXTERIOR. PAINT METAL CORNICE AND PARAPET CAP. PROVIDE WALLMOUNTED SOAP DISPENSER. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE WALLMOUNTED SOAP DISPENSER. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE WALL MOUNTED SOAP DISPENSER. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE WALL MOUNTED VIENAL. SEE PLUMB. FIXTURE SCHEDULE AND PLUMB. DWGS. PROVIDE WALL MOUNTED URINAL SEE PLUMB. FIXTURE SCHEDULE AND PLU
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-03 06-04 06-05 06-06 06-07 06-08 07-01 08-03 08-04 09-01 09-02 09-03 09-04 09-05 10-01 10-06 22-02 22-04	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINISTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL BALCONY GUARDRAIL. INSTALL MODD BALUSTRADE AT PORCH AND STEPS. INSTALL WOOD DAUSTRADE AT PORCH AND STEPS. INSTALL BORIC COLUMINS AND REINSTALL SALVAGED BASES. REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY RAILING POST. INSTALL BALCONY RAILING POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY BALUSTRADE. REPAIR NOOD PITABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL PRANANENT DOOR STOP. SEE DOOR SCHEDULE. REPAINT WOOD EXTERIOR OF WINDOW/DOOR. REINSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. RESTORE PLASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT. SCRAPE AND REPAINT WOOD TRIM AND CORNICE OF BOW WINDOW EXTERIOR. PAINT EXISTING FLASHING. PAINT METAL CORNICE AND PARAPET CAP. PROVIDE MIRROR. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE MIRROR. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE MALL MOUNTED TOILET. SEE PLUMB. FIXTURE SCHEDULE AND PLUMB. DWGS. PROVIDE WALL MOUNTED TOILET. SEE PLUMB. FIXTURE SCHEDULE AND PLUMB. DWGS. PROVIDE WALL MOUNTED URINAL. SEE PLUMB. FIXTURE S
04-03 04-04 04-05 04-06 04-07 04-08 05-01 05-02 05-03 05-04 06-03 06-04 06-05 06-06 06-07 08-01 08-02 08-03 08-04 09-01 09-02 09-03 09-04 09-05 10-06 22-01 22-02 22-04	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS). INSTALL FLEXIBLE JOINT. REINSTALL STEPS. CLEAN CAST STONE AROUND DOOR AND THRESHOLD. REPAIR CRACK/HOLE IN CONCRETE/MASONRY. REBUILD PIER AND STONE CAP. RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES. INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS. INSTALL BALCONY GUARDRAIL. INSTALL HANDRAIL. INSTALL HANDRAIL. INSTALL MOOD BALUSTRADE AT PORCH AND STEPS. INSTALL DARIC COLUMNS AND REINSTALL SALVAGED BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR SCHEDULE FOR DOOR REPAIRS. INSTALL BALCONY RAILING POST. INSTALL BALCONY RAILUNG POST. INSTALL BALCONY BALUSTRADE. REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT. PAINT. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF MESH. REINSTALL. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. APPLY VINYL PRIVACY FILM TO EXISTING GLAZING. REPAIR AND DAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. RESTORE PLASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT. SCRAPE AND REPAINT WOOD TRIM AND CORNICE OF BOW WINDOW EXTERIOR. PAINT METAL CORNICE AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY. RESTORE PLASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT. SCRAPE AND REPAINT WOOD TRIM AND CORNICE OF BOW WINDOW EXTERIOR. PAINT METAL CORNICE AND PARAPET CAP. PROVIDE MIRROR. SEE PLUMBING ACCESSORY SCHEDULE. PROVIDE MALL MOUNTED TOILET. SEE PLUMBING ACCE

LEGEND



ARLES THOMPSON MEMORIAL HALL	abilitation, HVAC Upgrade, and Addition	Marshall Avenue, Saint Paul, MN 55104	4 BY Author	01/08/21 REVISIONS
CHARLES	Rehabilita	1824 Marsh	DRAWN BY	DATE
•	<eyp< td=""><td>101</td><td>ES</td><td></td></eyp<>	101	ES	





I hearby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.



$\begin{array}{c|c} 2 \\ \hline A101 \end{array} \begin{array}{c} LOWER \ LEVEL \ DEMOLITION \ RCP \\ \hline 1/8" = 1'-0" \end{array}$





A201 2







 $\begin{array}{c|c} 3 \\ \hline A101 \end{array} \begin{array}{|c|c|} FIRST FLOOR DEMOLITION RCP \\ \hline 1/8" = 1'-0" \end{array}$

SHEET NOTES

1. PLEASE REFER TO SHEET G000 FOR GENERAL NOTES AND SPECIAL REQUIREMENTS.

KEYNO	OTES
02-05	REMOVE MESH SCREEN AND SALVAGE FRAME.
02-06	DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK.
02-07	DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOS OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN.
02-08	REMOVE BRICK INFILL IN PORCH OPENINGS AND DEMOLISH CONCRETE INFILL. TAKE CARE NOT TO DAMAGE ORIGINAL SURROUNDING MASONRY AND CONCRETE.
02-09	DEMOLISH WALL AND NOTIFY ARCHITECT. ARCHITECT TO INSPECT AREA BENEATH STAIRS BEFORE INFILLED.
02-10	INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FO REINSTALLATION.
02-12	SALVAGE DOOR FOR REINSTALLATION.
02-13	REMOVE ALL EXISTING TOILET ROOM PARTITIONS AND STALL DOORS.
02-14	REMOVE TOILETS.
02-15	REMOVE WALLS AND CONCRETE AT GRADE. SEE STRUCTURAL DRAWINGS FOR EXTENT BELOW GRADE.
02-16	REMOVE METAL BARS FROM WINDOWS.
02-18	DISMANTLE WINDOW AND FRAME. SELECTIVELY REMO PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION DETAILS. DISMANTLE CAST STONE SILL.
02-19	REMOVE WALL.
02-20	REMOVE DOOR, RETAIN DOOR CASING AND TRIM IN PLACE.
02-21	REMOVE RADIATOR.
02-24	REMOVE CEILING.
02-25	REMOVE LIGHT FIXTURE.
02-27	REMOVE SINK FIXTURE.
02-28	REMOVE URINAL.
02-29	REMOVE WINDOW.
02-49	VCT FLOOR TILES TO BE REMOVED
02-57	REMOVE EXISTING PLYWOOD COVERINGS OVER OPENINGS.

LEGEND



DEMOLISH MASONRY, SALVAGE AS NOTED

E REMOVED VOOD COVERINGS OVER

IOTIFY ARCHITECT. ARCHITECT ATH STAIRS BEFORE INFILLED. GHORING AT PORCH ROOF AND 6. SALVAGE CAST STONE BASES FOR INSTALLATION. OILET ROOM PARTITIONS AND ONCRETE AT GRADE. SEE SS FOR EXTENT BELOW GRADE. OM WINDOWS. AND FRAME. SELECTIVELY REMOVE R BRICK WALL. SEE DEMOLITION

AND SALVAGE FRAME. IDING CONCRETE BASES. S. SALVAGE BRICK AND DISPOSE CONCRETE FOUNDATION AND IN PORCH OPENINGS AND E INFILL. TAKE CARE NOT TO URROUNDING MASONRY AND











(A202)







 $\frac{1}{A102} | \frac{\text{FIRST FLOOR DEMOLITION PLAN}}{1/4" = 1'-0"}$



 $\begin{array}{c|c} 3 \\ \hline A102 \end{array} \begin{array}{c} THIRD FLOOR DEMOLITION RCP \\ \hline 1/8" = 1'-0" \end{array}$

$\begin{array}{c|c} 4 \\ \hline A102 \end{array} \begin{array}{c|c} \text{ROOF DEMOLITION PLAN} \\ \hline 1/8" = 1'-0" \end{array}$



SUEEI	
1. PL SF	ease refer to sheet good for general notes and pecial requirements.
KEYNC)TES
KEYNC	DTES
KEYNC	DTES REMOVE AND SALVAGE LIGHT POSTS.
KEYNC 02-01 02-02	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS.
KEYNC 02-01 02-02 02-03 02-03	PTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. PEMOVE OLIAPPY THES. SALVAGE WHERE POSSIBLE
KEYNC 02-01 02-02 02-03 02-04 02-06	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTIE PIERS, INCLUDING CONCRETE BASES
KEYNC 02-01 02-02 02-03 02-04 02-06	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK.
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN.
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION.
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10 02-11	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMINS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION.
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10 02-11 02-14	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOUISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS.
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10 02-11 02-11 02-14 02-18	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS. DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10 02-11 02-11 02-14 02-18	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS. DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION DETAILS. DISMANTLE CAST STONE SILL.
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10 02-11 02-14 02-18	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS. DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION DETAILS. DISMANTLE CAST STONE SILL. REMOVE WALL.
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10 02-11 02-11 02-14 02-18 02-19 02-20	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS. DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION DETAILS. DISMANTLE CAST STONE SILL. REMOVE WALL. REMOVE DOOR, RETAIN DOOR CASING AND TRIM IN
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10 02-11 02-11 02-14 02-18 02-19 02-20	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS. DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION DETAILS. DISMANTLE CAST STONE SILL. REMOVE WALL. REMOVE DOOR, RETAIN DOOR CASING AND TRIM IN PLACE.
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10 02-11 02-14 02-18 02-18 02-19 02-20 02-21 02-21 02-21	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS. DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION DETAILS. DISMANTLE CAST STONE SILL. REMOVE WALL. REMOVE WALL. REMOVE MALL. REMOVE MALL. REMOVE RADIATOR. REMOVE RADIATOR. REMOVE KLTCHEN APPLIANCES
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10 02-11 02-14 02-18 02-18 02-19 02-20 02-21 02-22 02-23	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS. DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION DETAILS. DISMANTLE CAST STONE SILL. REMOVE WALL. REMOVE WALL. REMOVE WALL. REMOVE DOOR, RETAIN DOOR CASING AND TRIM IN PLACE. REMOVE KITCHEN APPLIANCES. REMOVE KITCHEN APPLIANCES.
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10 02-11 02-14 02-18 02-18 02-19 02-20 02-21 02-22 02-23 02-23 02-27	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMINS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS. DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION DETAILS. DISMANTLE CAST STONE SILL. REMOVE WALL. REMOVE WALL. REMOVE WALL. REMOVE DOOR, RETAIN DOOR CASING AND TRIM IN PLACE. REMOVE RADIATOR. REMOVE KITCHEN APPLIANCES. REMOVE KITCHEN APPLIANCES. REMOVE SINK FIXTURE.
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10 02-11 02-14 02-18 02-18 02-19 02-20 02-21 02-22 02-23 02-23 02-27 02-30	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS. DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION DETAILS. DISMANTLE CAST STONE SILL. REMOVE WALL. REMOVE DOOR, RETAIN DOOR CASING AND TRIM IN PLACE. REMOVE RADIATOR. REMOVE KITCHEN APPLIANCES. REMOVE COUNTERTOPS. REMOVE BATHTUB.
KEYNC 02-01 02-02 02-03 02-04 02-06 02-10 02-11 02-14 02-18 02-18 02-18 02-19 02-20 02-21 02-20 02-21 02-20 02-21 02-23 02-27 02-30 02-31	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS. DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION DETAILS. DISMANTLE CAST STONE SILL. REMOVE WALL. REMOVE WALL. REMOVE ADIATOR. REMOVE RADIATOR. REMOVE KITCHEN APPLIANCES. REMOVE SINK FIXTURE. REMOVE SINK FIXTURE. REMOVE BATHTUB. REMOVE KITCHEN SINK.
KEYNC 02-01 02-02 02-03 02-04 02-06 02-10 02-11 02-11 02-14 02-18 02-18 02-19 02-20 02-21 02-22 02-23 02-23 02-23 02-31 02-31 02-32	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS. DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION DETAILS. DISMANTLE CAST STONE SILL. REMOVE WALL. REMOVE WALL. REMOVE RADIATOR. REMOVE RADIATOR. REMOVE RADIATOR. REMOVE COUNTERTOPS. REMOVE BATHTUB. REMOVE KITCHEN SINK. PARTITION TO BE REMOVED
KEYNC 02-01 02-02 02-03 02-04 02-06 02-10 02-11 02-11 02-14 02-18 02-18 02-19 02-20 02-21 02-20 02-21 02-20 02-21 02-23 02-23 02-23 02-23 02-31 02-32 02-51	PTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS. DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION DETAILS. DISMANTLE CAST STONE SILL. REMOVE WALL. REMOVE WALL. REMOVE WALL. REMOVE RADIATOR. REMOVE RADIATOR. REMOVE COUNTERTOPS. REMOVE SINK FIXTURE. REMOVE BATHTUB. REMOVE BATHTUB. REMOVE BATHTUB. REMOVE KITCHEN SINK. PARTITION TO BE REMOVED CARPET TO BE REMOVED
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10 02-11 02-14 02-18 02-18 02-18 02-19 02-20 02-21 02-20 02-21 02-20 02-21 02-20 02-21 02-22 02-23 02-23 02-27 02-30 02-31 02-32 02-51 02-52	DTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS. DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION DETAILS. DISMANTLE CAST STONE SILL. REMOVE WALL. REMOVE WALL. REMOVE WALL. REMOVE WALL. REMOVE COUNTERTIOPS. REMOVE SINK FIXTURE. REMOVE SINK FIXTURE. REMOVE BATHTUB, REMOVE KITCHEN SINK, PARTITION TO BE REMOVED CARPET TO BE REMOVED VINYL FLOORING TO BE REMOVED
KEYNC 02-01 02-02 02-03 02-04 02-06 02-10 02-11 02-11 02-14 02-18 02-18 02-19 02-20 02-21 02-22 02-23 02-23 02-27 02-31 02-31 02-31 02-31 02-32 02-51 02-52 02-53 02-53	PTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE CAST STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS. DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION DETAILS. DISMANTLE CAST STONE SILL. REMOVE DOOR, RETAIN DOOR CASING AND TRIM IN PLACE. REMOVE RADIATOR. REMOVE BATHTUB. REMOVE COUNTERTOPS. REMOVE BATHTUB. REMOVE BATHTUB. REMOVE BATHTUB. REMOVE BATHTUB. <t< td=""></t<>
KEYNC 02-01 02-02 02-03 02-04 02-06 02-07 02-10 02-11 02-14 02-18 02-18 02-18 02-19 02-20 02-21 02-20 02-21 02-22 02-23 02-23 02-23 02-23 02-21 02-23 02-21 02-23 02-21 02-23 02-21 02-23 02-51 02-52 02-54 02-54 02-54	PTES REMOVE AND SALVAGE LIGHT POSTS. REMOVE PORCH RAILINGS AND STAIR HANDRAILS. REMOVE AND SALVAGE STONE STEPS. REMOVE QUARRY TILES, SALVAGE WHERE POSSIBLE. DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK. DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN. INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION. REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION. REMOVE TOILETS. DISMANTLE WINDOW AND FRAME. SELECTIVELY REMOVE PORTION OF EXTERIOR BRICK WALL. SEE DEMOLITION DETAILS. DISMANTLE CAST STONE SILL. REMOVE WALL. REMOVE MULL REMOVE WALL. REMOVE RADIATOR. REMOVE WALL. REMOVE MALL REMOVE RADIATOR. REMOVE KITCHEN APPLIANCES. REMOVE SINK FIXTURE. REMOVE SINK FIXTURE. REMOVE KITCHEN SINK. PARTITION TO BE REMOVED CARPET TO BE REMOVED VINYL FLOORING TO BE REMOVED









 $\frac{2}{1/8"} = 1'-0"$

























A151



 $\frac{1}{A152} | \frac{\text{SECOND FLOOR CONSTRUCTION PLAN}}{1/8" = 1'-0"}$

- PLEASE REFER TO SHEET GOOD FOR GENERAL NOTES AND SPECIAL REQUIREMENTS.
 FULL HEIGHT METAL STUD PARTITIONS SHALL RUN FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE AND INCLUDE FINISH MATERIAL FOR FULL HEIGHT.
 FURRING PARTITIONS SHALL RUN TO 6" ABOVE THE FINISHED CEILING AND SHALL BE BRACED BACK TO THE EXISTING WALL

KEYNOTES

WALL.
ALL FULL HEIGHT METAL STUD PARTITIONS SHALL BE 24" O.C.
ALL MEASUREMENTS TAKEN FROM FINISH FACE OF WALLS.

CONSTR PLANS & ENLARGED PLANS

A152

 $\begin{array}{c|c} 3 \\ \hline 3 \\$

5 A153

1 (A251)

SHE	ET NOTES
1.	PLEASE REFER TO SHEET G
	SPECIAL REQUIREMENTS.
2	FULL HEIGHT METAL STUD

- SPECIAL REQUIREMENTS.
 FULL HEIGHT METAL STUD PARTITIONS SHALL RUN FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE AND INCLUDE FINISH MATERIAL FOR FULL HEIGHT.
 FURRING PARTITIONS SHALL RUN TO 6" ABOVE THE FINISHED CEILING AND SHALL BE BRACED BACK TO THE EXISTING
- WALL. ALL FULL HEIGHT METAL STUD PARTITIONS SHALL BE 24" O.C.
 ALL MEASUREMENTS TAKEN FROM FINISH FACE OF WALLS.

	KEYNOT	ES			
	06-02	INSTALL DORIC COLUMNS AND R BASES.			
	06-06	REPAIR WOOD ENTABLATURE, INC INSIDE OF FRIEZE, AND ARCHITRA CONSOLIDANT. PAINT.			
	26-01	INSTALL LIGHT FIXTURE. SEE SCHE			
	26-02				

Ε

D

1 (A251)

LEGEND

G000 FOR GENERAL NOTES AND

IMNS AND REINSTALL SALVAGED BLATURE, INCLUDING CORNICE, ND ARCHITRAVE, WITH E. SEE SCHEDULE.

CHARLES THOMPSON MEMORIAL HALL Rehabilitation, HVAC Upgrade, and Addition 1824 Marshall Avenue, Saint Paul, MN 55104 DRAWN BY Author DATE 10/22/20 REVISIONS

CONSTRUCTION REFLECTED CEILING PLANS

A153

 $\begin{array}{c|c} 1 & \text{DEMO NORTH BUILDING ELEVATION} \\ \hline A201 & 1/4" = 1'-0" \end{array}$

KEYNC	DTES
02-01	REMOVE AND SALVAGE LIGHT POSTS.
02-02	REMOVE PORCH RAILINGS AND STAIR HANDRAILS.
02-03	REMOVE AND SALVAGE STONE STEPS.
02-06	DISMANTLE PIERS, INCLUDING CONCRETE BASES. SALVAGE BRICK.
02-07	DISMANTLE STAIR WALLS. SALVAGE BRICK AND DISPOSE OF CAST STONE CAPS. CONCRETE FOUNDATION AND BASE TO REMAIN.
02-09	DEMOLISH WALL AND NOTIFY ARCHITECT. ARCHITECT TO INSPECT AREA BENEATH STAIRS BEFORE INFILLED.
02-10	INSTALL TEMPORARY SHORING AT PORCH ROOF AND DEMOLISH COLUMNS. SALVAGE CAST STONE BASES FOR REINSTALLATION.
02-11	REMOVE CAST STONE AT PORCH EDGE. REMOVE AND SALVAGE STONE BENEATH FOR REINSTALLATION.

LEGEND

DEMOLISH MASONRY, SALVAGE AS NOTED

 REMOVE/DISMANTLE

IOMPSON MEMORIAL HALL	n, HVAC Upgrade, and Addition	venue, Saint Paul, MN 55104		5/20 REVISIONS
S TH	tation	hall A	Autho	10/16
CHARLE	Rehabili	1824 Mars	DRAWN BY	DATE
D NO BU	emc rth Ildii	DLITI & So NG	0N DU ELE	I TH V

A201

Todd Grover #43014 10 09 2018

02-01

LEGEND

— — — REMOVE/DISMANTLE

SHEET NOTES

KEYNC	DTES
02-01	REMOVE AND SALVAGE
02-02	REMOVE PORCH RAILIN
02-06	DISMANTLE PIERS, INCL SALVAGE BRICK.
02-07	DISMANTLE STAIR WALL OF CAST STONE CAPS. BASE TO REMAIN.
02-09	DEMOLISH WALL AND N TO INSPECT AREA BENE
02-10	INSTALL TEMPORARY SF DEMOLISH COLUMNS. REINSTALLATION.
02-11	REMOVE CAST STONE A SALVAGE STONE BENEA
02-18	DISMANTLE WINDOW A PORTION OF EXTERIOR DETAILS. DISMANTLE CA

I hearby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

TA (2-

Todd Grover #43014 10 09 2018

Q

Grant

1 ELEVATION A251 1/4" = 1'-0"

BRICK MASONRY 25% REPOINT 50% REPOINT 100% REPOINT CLEAN BRICK MASONRY REPAIR CHIPPED CAST STONE REPOINT/SEAL JOINTS AT CAST STONE CONCRETE REPLACE HISTORIC CAST STONE REPAIR CRACK/HOLE IN CONCRETE/MASONRY

SHEET NOTES

23-01

REGRADE DISTURBED AREA AROUND BOTTOM OF STAIRS

AND PIERS. REPLACE SOD.

SUEEI	INOTES
1. ASS	ume 10% Repointing of entire brick facade unless
OTH	HER WORK IS NOTED.
Z. KEF	ER TO LEGEND FOR AREA SPECIFIC MASONRY WORK.
KEYNC	DTES
02.02	
03-03	RESET STONE AT PORCH EDGE AND INSTALL
04-01	REPLACEMENT CAST STONE TO MATCH ORIGINAL
04-02	REBUILD STAIR WALLS USING SALVAGED BRICK WHERE
	NECESSARY. INSTALL REPLACEMENT CAST STONE CAPS
	TO MATCH ORIGINAL.
04-03	REPLACE CAST STONE AT STAIRS AND TOP BAND AT
04.05	PORCH. PAINT (DO NOT PAINT STEPS).
04-05	
04-08	REPAIR CRACK/HOLE IN CONCRETE/MASONRY
04-08	
05-01	RESTORE AND REINSTALL LAMPS. PAINT METAL AND
	PROVIDE NEW GLOBES.
05-02	INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS.
05-03	INSTALL BALCONY GUARDRAIL.
06-01	INSTALL WOOD BALUSTRADE AT PORCH AND STEPS.
06-02	INSTALL DORIC COLUMNS AND REINSTALL SALVAGED
04.00	
00-03	SCHEDULE FOR DOOR REPAIRS
06-04	INSTALL BALCONY RAILING POST.
06-05	INSTALL BALCONY BALUSTRADE.
06-06	REPAIR WOOD ENTABLATURE, INCLUDING CORNICE.
	INSIDE OF FRIEZE, AND ARCHITRAVE, WITH
07-01	CONSOLIDANT. PAINT.
1	CONSOLIDANT. PAINT. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE
	CONSOLIDANT. PAINT. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS RELISED
08-02	CONSOLIDANT. PAINT. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. REPAIR DOORS AND PAINT INCLUDING WOOD TRIAM
08-02	CONSOLIDANT. PAINT. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE.
08-02	CONSOLIDANT. PAINT. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL PERMANENT DOOR STOP. SEE DOOR
08-02	CONSOLIDANT. PAINT. REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED. REPAIR DOORS AND PAINT, INCLUDING WOOD TRIM. REPLACE HARDWARE. SEE DOOR SCHEDULE. INSTALL PERMANENT DOOR STOP. SEE DOOR SCHEDULE.

I hearby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota. TA (2-Todd Grover #43014 10 09 2018 REVISIONS
 No.
 Description
 Date
 Q \bigcirc 5 60% Lega

•••

. . ____ . . .

 \mathbf{X} () \triangleleft

M

ら

 \bigcirc

 \triangleleft

Ζ

 \bigcirc

 \bigcirc

() \cup

MA

s s

23

S T I 2

шц

4 0 0 SOUT P 612 341

 2
 ELEVATION

 A252
 1/4" = 1'-0"

Sheet notes				
1. 2.	ASSUME 10% REPOINTING OF ENTIRE BRICK FACADE UNLESS OTHER WORK IS NOTED. REFER TO LEGEND FOR AREA SPECIFIC MASONRY WORK.			
KEVN				
04-01	RESET STONE AT PORCH EDGE AND INSTAIL			
01.01	REPLACEMENT CAST STONE TO MATCH ORIGINAL			
04-02	NECESSARY. INSTALL REPLACEMENT CAST STONE CAPS TO MATCH ORIGINAL.			
04-03	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS).			
04-05 05-01	REINSTALL STEPS. RESTORE AND REINSTALL LAMPS. PAINT METAL AND			
05-02	PROVIDE NEW GLOBES.			
05-02	INSTALL BALCONY GUARDRAIL.			
06-01 06-02	INSTALL WOOD BALUSTRADE AT PORCH AND STEPS. INSTALL DORIC COLUMNS AND REINSTALL SALVAGED			
06-04	BASES.			
06-04	INSTALL BALCONY BALUSTRADE.			
06-06	REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH CONSOLIDANT, PAINT.			
06-07	REPAIR AND PAINT SALVAGED WOOD FRAME AND INSTALL NEW PAINTED PLYWOOD PANEL IN PLACE OF			
06-08	REPAIR LOWER PORTION OF CORNICE. REPAINT.			
07-01	REPAIR AND EXTEND DOWNSPOUTS TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. PAINT EXISTING PIECES AS REUSED			
08-04	REPAINT WOOD EXTERIOR OF WINDOW/DOOR.			
09-03	SCRAPE AND REPAINT WOOD TRIM AND CORNICE OF BOW WINDOW EXTERIOR.			
09-04	PAINT EXISTING FLASHING.			
09-05 23-01	PAINT METAL CORNICE AND PARAPET CAP.			
20-01	AND PIERS. REPLACE SOD.			

WEST SECONDARY CONSTRUCTION

 3
 BUILDING ELEVATION

 A252
 1/4" = 1'-0"

______ _ _ _ _ _ _ _ _ _ _ _ <u>01 FIRST</u> FLOOR 0' - 0"

LEGEND BRICK MASONRY BRICK MASONRY TO REMAIN (10% REPOINTING, TYPICAL) 25% REPOINT 50% REPOINT 100% REPOINT CLEAN BRICK MASONRY CLEAN STONE/CAST STONE, REPOINT/SEAL JOINTS REPAIR CHIPPED CAST STONE REPOINT/SEAL JOINTS AT CAST STONE CONCRETE REPLACE HISTORIC CAST STONE REPAIR CRACK/HOLE IN CONCRETE/MASONRY

A253 1" = 1'-0"

A253 1" = 1'-0"

SHEET NOTES				
1. AS O1 2. RE	SUME 10% REPOINTING OF ENTIRE BRICK FACADE UNLESS I'HER WORK IS NOTED. FER TO LEGEND FOR AREA SPECIFIC MASONRY WORK.			
KEYNO	DTES			
03-03	POUR CONCRETE FOOTINGS AND PIER BASE.			
03-04	RECONSTRUCT CONCRETE SIDEWALK. SEE CIVIL.			
	REPLACEMENT CAST STONE TO MATCH ORIGINAL			
04-02	REBUILD STAIR WALLS USING SALVAGED BRICK WHERE NECESSARY. INSTALL REPLACEMENT CAST STONE CAPS TO MATCH ORIGINAL.			
04-03	REPLACE CAST STONE AT STAIRS AND TOP BAND AT PORCH. PAINT (DO NOT PAINT STEPS).			
04-04	INSTALL FLEXIBLE JOINT.			
04-05	REINSTALL STEPS.			
05-01	RESTORE AND REINSTALL LAMPS. PAINT METAL AND PROVIDE NEW GLOBES.			
05-02	INSTALL GUARDRAIL AT PORCH AND HANDRAIL AT STEPS.			
05-03	INSTALL BALCONY GUARDRAIL.			
06-01	INSTALL WOOD DALUSTRADE AT PORCH AND STEPS.			
06-03	BASES. REPAIR WOOD DOOR TRIM. PAINT. SEE DOOR			
06-04	INSTALL BALCONY RAILING POST			
06-05	INSTALL BALCONY BALUSTRADE.			
06-06	REPAIR WOOD ENTABLATURE, INCLUDING CORNICE, INSIDE OF FRIEZE, AND ARCHITRAVE, WITH			
09-01	REINSTALL SALVAGED QUARRY TILES AND INSTALL NEW TILE WHERE NECESSARY.			
23-01	REGRADE DISTURBED AREA AROUND BOTTOM OF STAIRS			

LEGEND

 $\begin{array}{c|c} \hline 7 \\ \hline A301 \end{array} \begin{array}{c} \text{RAISED STORAGE STAIR - SECTION} \\ \hline 1" = 1'-0" \end{array}$

KEYNOTES

4 A301

LEGEND

building sections

HARLES THOMPSON MEMORIAL HALL	habilitation, HVAC Upgrade, and Addition	24 Marshall Avenue, Saint Paul, MN 55104	WN BY Author	E 10/22/20 REVISIONS
CHAR	Rehab	1824 M	DRAWN B'	DATE

 $\frac{1}{A302} | \begin{array}{c} ADDITION \text{ SECTION - NORTH/SOUTH 01} \\ 1/4" = 1'-0" \end{array}$

KEYNOTES

02 SECOND FLOOR 12' - 0"

_____ 04 <u>ROOF</u> 34' - 0"

_____0<u>3 THIRD FLOOR</u> 21' - 10"

_____ <u>01 FIRST FLOOR</u> 0' - 0"

_____ <u>00 LOWER LEVEL</u> -11' - 0"

LEGEND

BUILDING SECTIONS AND DETAILS

CHARLES THOMPSON MEMORIAL HALL	chabilitation, HVAC Upgrade, and Addition	824 Marshall Avenue, Saint Paul, MN 55104	RAWN BY Author	ATE 01/25/21 REVISIONS
Ŭ	Re	182	DRAV	DATE

10-01

ப

10-01

LOWER LEVEL TOILET ROOMS - ENLARGED

 17
 PLAN

 A401
 1/2" = 1'-0"

KEYNOT	ES
08-01	APPLY VINYL PRIVACY FILM
10-01	PROVIDE MIRROR. SEE PL SCHEDULE.
10-02	PROVIDE WALL-MOUNTE PLUMBING ACCESSORY S
10-06	PROVIDE PAPER TOWEL D ACCESSORY SCHEDULE.
22-01	PROVIDE WALL MOUNTE
22-02	PROVIDE WALL MOUNT F FIXTURE SCHEDULE AND
22-04	PROVIDE WALL MOUNTER SCHEDULE AND PLUMB. I

08-01	

LEGEND

4 0 0 SOUTH FOURTH STREET STE 7 1 2 MINNEAPOLIS MINNESOTA 5 5 P 6 1 2 3 4 1 4 0 5 1 • F 6 1 2 3 3 7 5 8 4 3 • W W . M M A R CHLTD .	specification, or r under my direct l/winnesota.	DRAWN BY Author DATE 01/17/21 REVISIONS
MacDonald & Mac	hearby certify that this plan, spe port was prepared by me or un uppervision and that I am a duly add Grover #43014 10 (REVISIONS Description	AT A STARLES INCOMPSON MEMORIAL HALL DATA AND A STOR AND A STOR AND A Addition 1824 Marshall Avenue, Saint Paul, MN 55104
IG GLAZING. CESSORY PENSER. SEE EE PLUMBING E PLUMB. DWGS. . SEE PLUMB. 3S. :E PLUMB. FIXTURE		
TO EXISTING MBING ACCE SOAP DISPEN CHEDULE. SPENSER. SEE TOILET. SEE UCET SINK. S LUMB. DWGS URINAL. SEE WGS.		

Σ²

4 0 0

CK

8 207 RESTROOM - EAST A402 1/2" = 1'-0"

LEGEND

10	207 RESTROOM - WEST
A402	1/2" = 1'-0"

							 	 	 	 			 			-
										 						-
	L															-
						\rightarrow										
	F	Ľ			\square	/										
			\geq	\square												
1	\vdash	-	-							 	-	-	-	-	-	-

Γ									
Γ									
-									
-									

5
PPLY VINYL PRIVACY FILM TO EXIS
Rovide mirror. See plumbing , Chedule.
ROVIDE WALL-MOUNTED SOAP D LUMBING ACCESSORY SCHEDULE
ROVIDE WALL MOUNTED TOILET.
ROVIDE WALL MOUNT FAUCET SI

 PLEASE REFER TO SHEET GOOD FOR GENERAL NOTES AND SPECIAL REQUIREMENTS.
 FULL HEIGHT METAL STUD PARTITIONS SHALL RUN FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE AND INCLUDE FINISH MATERIAL FOR FULL HEIGHT.
 FURRING PARTITIONS SHALL RUN TO 6" ABOVE THE FINISHED CEILING AND SHALL BE BRACED BACK TO THE EXISTING WALL WALL.
ALL FULL HEIGHT METAL STUD PARTITIONS SHALL BE 24" O.C.
ALL MEASUREMENTS TAKEN FROM FINISH FACE OF WALLS.

ILM TO EXISTING GLAZING. PLUMBING ACCESSORY

ITED SOAP DISPENSER. SEE ITED SOAF DISTENSER, SEE RY SCHEDULE. ITED TOILET. SEE PLUMB. DWGS. IT FAUCET SINK. SEE PLUMB. ND PLUMB. DWGS.

LEGEND

KEYNOTES 05-04 INSTALL HANDRAIL.

N MEMORIAL HALL	Upgrade, and Addition	oul, MN 55104		REVISIONS
S THOMPSO	tation, HVAC	hall Avenue, Saint	Author	01/17/21
CHARLE	Rehabili	1824 Mars	DRAWN BY	DATE
E	INTE LEVA	ERIC ATIC	dr NS	

 15
 206 ELEVATOR LOBBY - SOUTH

 A404
 1/4" = 1'-0"

 14
 206 ELEVATOR LOBBY - EAST

 A404
 1/4" = 1'-0"

 16
 206 ELEVATOR LOBBY - WEST

 A404
 1/4" = 1'-0"

KEYNOTES 09-02 RESTORE PLASTER WALL. MATCH EXISTING TEXTURE AND FINISH. PAINT.

LEGEND

 $\mathbf{\Sigma}$

()

 \cup

 \triangleleft

M

ら

 \bigcirc

 \triangleleft

Z ²

4

5 L D

∠ ⊥

zΣ

ΣŞ

 14
 309 - EAST

 A405
 1/4" = 1'-0"

A405 1/4" = 1'-0"

A405 1/4" = 1'-0"

A405 1/4" = 1'-0"

15 309 - SOUTH A405 1/4" = 1'-0"

KEYNOTES

 16
 309 - WEST

 A405
 1/4" = 1'-0"

LEGEND

CHARLES THOMPSON MEMORIAL	Rehabilitation, HVAC Upgrade, and	1824 Marshall Avenue, Saint Paul, MN 55104	DRAWN BY Author	DATE 01/17/21 REVISIONS
E	INTE LEVA	ERIC	dr NNS	

HALL Addition

										1 11											
ROO	A		FLOORS			1	NORTH WALL			EAST WALL			SOUTH WALL	-		WEST WALL			CEILING		
NO.	ROOM NAME	CONDITION	MATERIAL	. FINISH	BASE	CONDITION	MATERIALS	FINISH	CONDITION	MATERIAL	FINISH	CONDITION	MATERIALS	FINISH	CONDITION	MATERIALS	FINISH	CONDITIO	N MATERIALS	FINISH	NOTES
00 LC	WER LEVEL																				
001	LOBBY	EXIST/NEW	CONC	VT-1	WB-1	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST/ALTER	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-2	
002	KITCHEN	EXIST/NEW	CONC	VT-1	WB-1	EXIST/NEW	PST/PGYP	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-2	
003	LOBBY (BILLIARD ROOM)	EXIST/NEW	CONC	VT-1	-	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-2	
006	HALLWAY	EXIST/NEW	CONC	VT-1	-	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-2	
008	MEN'S TOILET ROOM	EXIST/NEW	CONC	CT-2	CT-3	EXIST/NEW	PST/PGYP	CT-1, PT-3	EXIST/ALTER	PST	CT-1, P-3	EXIST/ALTER	PST	CT-1, P-3	EXIST/ALTER	PST	CT-1, P-3	EXIST	PST	PT-2	SEE ELEVS FOR WALL FINISH DIMENSIONS.
009	WOMEN'S TOILET ROOM	EXIST/NEW	CONC	CT-2	CT-3	EXIST/ALTER	PST	CT-1, PT-3	EXIST/ALTER	PST	CT-1, P-3	EXIST/ALTER	PST	CT-1, P-3	EXIST/ALTER	PST	CT-1, P-3	EXIST	PST	PT-2	SEE ELEVS FOR WALL FINISH DIMENSIONS.
010	PASSAGE	EXIST/NEW	CONC	VT-1	WB-1	EXIST/ALTER	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST/ALTER	PST	PT-1	EXIST	PST	PT-2	
011	LOUNGE	EXIST/NEW	CONC	VT-1	WB-1	EXIST/ALTER	PST	PT-1	EXIST/ALTER	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-2	
012	LOWER LOBBY	NEW	CONC	VT-2	WB-2	NEW	GYP/CW	PT-1	EXIST/ALTER	-	PT-1	NEW	GYP/CW	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-2	
013	LOBBY	NEW	CONC	VT-2	WB-2	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-2	
014	VESTIBULE	NEW	CONC	VT-2	WB-2	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-2	
015	OUTDOOR EQUIPMENT STORAGE	NEW	CONC	PT-5	RB-1	NEW	-	PT-1	NEW	-	PT-1	NEW	-	PT-1	NEW	-	PT-1	NEW	GYP	-	
01 FIF	IST FLOOR																				
103	SOCIAL HALL & DINING ROOM	EXIST	-	-	-	EXIST	-	-	EXIST	-	PT-1	EXIST	-	-	EXIST	-	-	EXIST	PST	PT-2	
108	RESTROOM	EXIST/NEW	CONC	CT-2	CT-3	NEW	PGYP	CT-1, PT-3	NEW	PGYP	CT-1, P-3	EXIST/ALTER	PGYP	CT-1, P-3	EXIST/ALTER	PST	CT-1, P-3	EXIST	PST	PT-2	SEE ELEVS FOR WALL FINISH DIMENSIONS.
109	FAMILY RESTROOM	EXIST/NEW	CONC	CT-2	CT-3	NEW	PGYP	CT-1, PT-3	NEW	PGYP	CT-1, P-3	NEW	PGYP	CT-1, P-3	EXIST/ALTER	PST	CT-1, P-3	EXIST	PST	PT-2	SEE ELEVS FOR WALL FINISH DIMENSIONS.
110	OFFICE	EXIST/ATER	CONC	CPT-1	WB-1	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-1	EXIST/ALTER	PST	PT-1	EXIST	PST	PT-2	
111	LOUNGE	EXIST/ATER	CONC	WD-1	WB-1	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST/ALTER	PST	PT-1	EXIST	PST	PT-2	
112	ELEVATOR LOBBY	NEW	CONC	WD-2	WB-2	NEW	CW	-	EXIST/ALTER	-	-	NEW	CW	-	NEW	GYP	PT-1	NEW	GYP	PT-2	
113	RAISED STORAGE	NEW	CONC	WD-2	WB-2	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-2	
114	STORAGE	NEW	CONC	WD-2	WB-2	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-2	
02 SE	COND FLOOR																				
204	ASSEMBLY HALL	EXIST	-	-	-	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-1	EXIST	PST	PT-2	
206	ELEVATOR LOBBY	NEW	CONC	WD-2	WB-2	NEW	CW	-	EXIST/ALTER	-	-	NEW	CW	-	NEW	GYP	PT-1	NEW	GYP	PT-2	
207	RESTROOM	NEW	CONC	CT-2	CT-3	NEW	GYP	CT-1, PT-3	NEW	GYP	CT-1, P-3	NEW	GYP	CT-1, P-3	NEW	GYP	CT-1, P-3	NEW	GYP	PT-2	SEE ELEVS FOR WALL FINISH DIMENSIONS.
208	OFFICE OR MEETING ROOM	NEW	CONC	WD-2	WB-2	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	ACT-1	-	
03 TH	IRD FLOOR																				
307	ELEVATOR LOBBY	NEW	CONC	WD-2	WB-2	NEW	CW	-	EXIST/ALTER	-	-	NEW	CW	-	NEW	GYP	PT-1	NEW	GYP	PT-2	
308	STORAGE OR RESTROOM	NEW	CONC	CT-2	CT-3	NEW	GYP	CT-1, PT-3	NEW	GYP	CT-1, P-3	NEW	GYP	CT-1, P-3	NEW	GYP	CT-1, P-3	NEW	GYP	PT-2	SEE ELEVS FOR WALL FINISH DIMENSIONS.
309	STORAGE, OFFICE, OR GUEST ROOM	NEW	CONC	WD-2	WB-2	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	GYP	PT-1	NEW	ACT-1	-	

MATERIAL DESIGNATION DESCRIPTION MANUFACTURER MFG. REF. NO. COLOR ACT-1 CEILING TILE Image: Color of the second secon				MATERIAL SCH	edule	
ACOUSTIC CEILING TILE CEILING TILE CEILING TILE CARPET TILE CARPET TILE CARPET TILE CERAMIC TILE CERAMIC TILE CT-1 CARPET TILE CERAMIC TILE CERAMIC TILE CT-1 CERAMIC TILE - WALL TILE CERAMIC TILE CERAMIC TILE - FLOOR TILE CT-2 CERAMIC TILE - FLOOR TILE CERAMIC TILE - BASE COVE CERAMIC TILE - BASE COVE GROUT GROUT GROUT CERAMIC TILE - BASE COVE CERAMIC TILE - BASE COVE GRUT GROUT GROUT CERAMIC TILE - BASE COVE CERAMIC TILE - BASE COVE CERAMIC TILE - BASE COVE GRUT GROUT GROUT GROUT CERAMIC TILE - BASE COVE CERAMIC TILE - BASE COVE GRUT GROUT GROUT GROUT CERAMIC TILE - BASE COVE CERAMIC TILE - BASE COVE GRUT GROUT GROUT CERAMIC TILE - BASE COVE CERAMIC TILE - BASE CERAMIC TILE - BASE COVE PAINT PI-1 PAINT - VELINGS CERAMIC TILE - BASE CERAMIC TILE - BASE CERAMIC TILE - BASE RUBBER BASE RUBBER BASE CONCRETE SEALER CERAMIC TILE - BASE CERAMIC TILE - BASE COVE CERAMIC TILE - BASE COVE <th>MATERIAL DESIGNATION</th> <th>DESCRIPTION</th> <th>MANUFACTURER</th> <th>MFG. REF. NO.</th> <th>COLOR</th> <th>FINISH</th>	MATERIAL DESIGNATION	DESCRIPTION	MANUFACTURER	MFG. REF. NO.	COLOR	FINISH
ACT-1 CEILING TILE Image: Certain of the second secon	ACOUSTIC CEILING TILE					
ACT-1 CEILING TILE Image: Cerrent	ACT-1	CEILING TILE				
CARPET TILE CARPET TILE CPT-1 CARPET TILE Image: Comparison of the state of t	ACT-1	CEILING TILE				
CPT-1 CARPET TILE Image: Carpon state in the	CARPET TILE					
CERAMIC TILE CERAMIC TILE - WALL TILE Image: Constraint of the state of the st	CPT-1	CARPET TILE				
CT-1 CERAMIC TILE - WALL TILE	CERAMIC TILE					
CT-2 CERAMIC TILE - FLOOR TILE Image: Constant of the state o	CT-1	CERAMIC TILE - WALL TILE				
CT-3 CERAMIC TILE - BASE COVE Image: Constant of the second	CT-2	CERAMIC TILE - FLOOR TILE				
GROUT GROUT - FLOOR Image: Constraint of the second s	CT-3	CERAMIC TILE - BASE COVE				
GR-1 GROUT - FLOOR Image: Constraint of the second se	GROUT					
GR-2 GROUT Image: Constraint of the second	GR-1	GROUT - FLOOR				
PAINT PT-1 PAINT - WALLS PT-2 PAINT - CEILINGS PT-3 PAINT PT-4 PAINT PT-5 CONCRETE SEALER RUBBER BASE RB-1 RUBBER BASE WOOD BASE TRIM WB-1 WOOD BASE TRIM - REPAIR EXISTING	GR-2	GROUT				
PT-1 PAINT - WALLS Image: Constraint of the second	PAINIT					
PT-2 PAINT - CEILINGS Image: Ceiling S Image: Ceil	PT-1	PAINT - WALLS				
PT-3 PAINT Image: Constraint of the second of the sec	PT-2	PAINT - CEILINGS				
PT-4 PAINT Image: Concrete sealer Image: Concrete sealer Image: Concrete sealer RUBBER BASE RUBBER BASE RUBBER BASE Image: Concrete sealer Image: Concr	PT-3	PAINT				
PT-5 CONCRETE SEALER CONCRETE	PT-4	PAINT				
RUBBER BASE RB-1 RUBBER BASE WOOD BASE TRIM WB-1	PT-5	CONCRETE SEALER				
RB-1 RUBBER BASE WOOD BASE TRIM WB-1	RUBBER BASE					
WOOD BASE TRIM WB-1 WOOD BASE TRIM - REPAIR EXISTING	RB-1	RUBBER BASE				
WOOD BASE TRIM WB-1 WOOD BASE TRIM - REPAIR EXISTING						
WB-1 WOOD BASE TRIM - REPAIR EXISTING	wood base trim					
	WB-1	WOOD BASE TRIM - REPAIR EXISTING				
WB-2 WOOD BASE TRIM - NEW	WB-2	WOOD BASE TRIM - NEW				
WOOD FLOORING	WOOD FLOORING					
WD-1 WOOD FLOORING	WD-1	WOOD FLOORING				
WD-2 WOOD FLOORING	WD-2	WOOD FLOORING				

									DOOR SCH	HEDULE								
			DC	OOR						FRAME AND) CASING			FIRE				
ID NO.	CONDITION	л түре	MATERIAL	FINISH	WIDTH	HEIGHT	THICKNESS	CONDITION	MATERIAL	CASING TYPE	FINISH	DETA HEAD	ILS JAMB	RATING (MINUTES)	GLAZING	HARDWARE SET NO.	NOTES	
00 LOW	ER LEVEL												-					
008	NEW	SINGLE	WD	STAIN	3' - 0"	7' - 0"	0' - 1 1/2"	NEW	WD									
009	NEW	SINGLE	WD	STAIN	3' - 0"	7' - 0"	0' - 1 1/2"	EXIST	WD		STAIN - TOUCH-UP							
00a LOV	VER LEVEL ADD	DITION																
014A	NEW	EXTERIOR - SINGLE	MTL/GL	PT-6	3' - 0"	7' - 0"	0' - 1 3/4"	NEW	MTL		PT-6				FULL			
014B	NEW	EXTERIOR - SINGLE	MTL/GL	PT-6	3' - 0"	7' - 0"	0' - 1 3/4"	NEW	MTL		PT-6				FULL			
015	NEW	EXTERIOR - SINGLE	MTL/GL	PT-6	3' - 0"	7' - 0"	0' - 1 1/2"	NEW	MTL		PT-6				FULL			
01 FIRST	FLOOR																	
101C	NEW	SINGLE	WD	STAIN	3' - 0"	7' - 0"	0' - 1 1/2"	NEW	WD		STAIN				-		 	
108	NEW	SINGLE	WD	STAIN	2' - 8"	7' - 0"	0' - 1 1/2"	NEW	WD		STAIN				-		 	
109	NEW	SINGLE	WD	STAIN	2' - 8"	7' - 0"	0' - 1 1/2"	NEW	WD		STAIN				-		 	
110	NEW	SINGLE	WD	STAIN	2' - 8"	7' - 0"	0' - 1 1/2"	NEW	WD		STAIN				-		 	
111A	NEW	SINGLE	WD	STAIN	3' - 0"	7' - 0"	0' - 1 1/2"	NEW	WD		STAIN				-		 	
111B	NEW	SINGLE	WD	STAIN	2' - 8"	7' - 0"	0' - 1 1/2"	EXIST	WD		STAIN - TOUCH-UP				-			
113	NEW	SINGLE	WD	STAIN	3' - 0"	7' - 2"	0' - 1 3/4"	NEW	WD		STAIN				-			
02 SECC	OND FLOOR																	
207	NEW	SINGLE	WD	STAIN	3' - 0"	7' - 0"	0' - 1 1/2"	NEW	WD		STAIN				-			
208	NEW	SINGLE	WD	STAIN	3' - 0"	7' - 0"	0' - 1 1/2"	NEW	WD		STAIN				-			
03 THIRE	D FLOOR																	
308	NEW	SINGLE	WD	STAIN	3' - 0"	7' - 0"	0' - 1 1/2"	NEW	WD		STAIN				-			
309	NEW	SINGLE	WD	STAIN	3' - 0"	7' - 0"	0' - 1 1/2"	NEW	WD		STAIN				-			

EINISH SCHEDLILE

 FINISH/PATTERN/SIZE	LOCATIONS	NOTES
 <u> </u>		
 1		

	WINDOW SCHEDULE									
ID	QTY	WIDTH	HEIGHT	FRAME MATERIAL	frame Finish	JAMB TYPE	JAMB HEAD TYPE	GLAZING TYPE	SILL TYPE	NOTES
00 LC	WER LEV	/EL								
10	8	0' - 0"	0' - 0"							
00a L(OWER LE	VEL ADDITION								
01	2	4' - 7"	7' - 0"							
02	3	4' - 9 3/4"	6' - 0"							
09	2	4' - 7"	7' - 4"							
01 FIR	ST FLOC	OR								
04	2	3' - 11 1/2"	7' - 11"							
08	1	3' - 9"	3' - 9"							
01c_R	AISED ST	forage								
09	2	4' - 7"	7' - 4"							
02 SE	COND F	LOOR								
02	3	4' - 9 3/4"	6' - 0"							
05	2	4' - 7"	8' - 0"							
06	2	3' - 11 1/2"	6' - 0"							
07	1	4' - 6"	7' - 0"							
08	1	3' - 9"	3' - 9"							
03 TH	IRD FLO	OR								
02	2	4' - 9 3/4"	6' - 0"							
05	2	4' - 7"	8' - 0"							
06	2	3' - 11 1/2"	6' - 0"							
07	1	4' - 6"	7' - 0"							
08	1	3' - 9"	3' - 9"							

MATERI	AL & FINISH SCHEDULE ABBREVIATIONS
ACT	ACOUSTIC CEILING TILE
CONC	CONCRETE
CPT	CARPET
CT	CERAMIC TILE
CW	CURTAIN WALL
EXIST	EXISTING TO REMAIN
GYP	GYPSUM WALL BOARD
PGYP	PLASTER BACKER BOARD
PST	PLASTER
PT	PAINT
RB	RUBBER BASE
VT	VINYL TILE
WB	wood base trim
WD	WOOD FLOORING

KEYNOTES

LEGEND

Σ

STRUCTURAL NOTES Unless noted otherwise on the plans and/or in the details, these notes shall apply. If there are discrepancies between the plans/details and these notes, the contractor must conform to the more stringent requirements, unless clarified with the Structural Engineer of Record (SER) prior to work. MATERIAL STRENGTHS Structural Steel HSS Rectangular and Square – ASTM A500 Gr. B, $F_y = 46$ ksi HSS Round – ASTM A500 Gr. B, $F_y = 42$ ksi Pipe – ASTM A53 Gr. B, Fy = 35 ksi W and WT shapes – ASTM A992, $F_v = 50$ ksi Misc. structural steel – ASTM A36, $F_y = 36$ ksi Structural Steel Fasteners Connection bolts – ASTM F3125, Fu = 120 ksi, Type 1 Anchor rods – ASTM F1554, Gr. 36, $F_y = 36$ ksi Threaded rods – ASTM A36, $F_v = 36$ ksi Cold Formed Structural Steel – ASTM C955 and A1003 $F_y = 33$ ksi (43 mil and thinner) – Grade 33 Type H $F_y = 50$ ksi (54 mil and thicker) – Grade 50 Type H Reinforcing Steel Deformed Bars – ASTM A615, Gr. 60, $F_y = 60$ ksi Fabric – ASTM A185, $F_y = 70$ ksi Masonry Joint Reinforcing – ASTM A951, F_y = 70 ksi Concrete f'_c = compressive strength at 28 days 4,000 psi unless noted otherwise 4.000 psi for walls 5,000 psi for exterior slabs and other elements exposed to freeze/thaw Mix shall meet Exposure Class F3 and C2 per ACI 318 3,000 psi for footings DESIGN LOADS

Risk Category

Roof		
Dead load	20 psf	
Live load	20 psf	
Snow load		
Ground snow, pg	50 psf	
Flat roof snow load, pf	39 psf	
$C_e = 1.0, C_t = 1.1, I_s = 1.0, C_s = 1.0$		
Roof top units		
See mechanical & notes below		
Rain intensity, i	3.25 in/hr	
loors		
Dead load	55 psf	
Live loads		
Office areas	50 psf / 2,000 lbs point load	
Partitions	15 psf	
Lobbies & first floor corridors	100 psf	
Corridors above first floor	80 psf / 2,000 lbs point load	
Mech/Storage Rooms	125 psf	
Stairs and Exit Ways	100 psf / 300 lbs point load	
Vind		
Vult	110 mph (3 second gust)	
Vasd	85 mph (3 second gust)	
Exposure Category	В	
Internal pressure coefficient (GC _{pi})	±0.18	
Component & Cladding design pressure	±15 psf (Service Load, Field)	

±30 psf (Service Load, within 15 ft of building corners)

DESIGN CODES

Minnesota Building Code (2020) Minnesota Conservation Code for Existing Buildings (2020)

REFERENCE CODES International Building Code (IBC-2018)

International Existing Building Code (IEBC-2018)

American Society of Civil Engineers/Structural Engineering Institute (ASCE/SEI 7-16) American Institute of Steel Construction Manual (AISC 360-16)

North American Specification for the Design of Cold-Formed Steel Structural Members (AISI S100-16) Steel Deck Institute (SDI/ANSI RD-2017, NC-2017, C-2017, QA/QC-2017)

American Welding Society – Structural Welding Code – Steel (AWS D1.1-20, D1.3-18, D1.4-18)

American Concrete Institute – Building Code Requirements for Structural Concrete – (ACI 318-14) The Masonry Society – Building Code and Specification for Masonry Structures – (TMS 402/602-16) American Concrete Institute – Specification for Tolerances for Concrete Construction and Materials (ACI 117-10)

GENERAL NOTES

The contractor is solely responsible for site safety including all temporary precautionary measures and safety programs. Site observation visits by the SER do not include review of the contractor's safety precautions.

SUBMITTALS Submit all submittals for all materials and/or products in a given system at one time.

The contractor shall review and stamp all submittals prior to the SER's review. Stamp will include: Signature or initials certifying that all materials and/or products are in accordance with the

requirements of the design documents. Allow ten (10) business days for review and response for each submittal for review excluding delivery time to and from the Contractor.

When revised for resubmission, identify all changes made since previous submission. SER shall not be responsible for delays caused by rejection of inadequate shop drawings.

Submittals not requested will not be recognized or processed.

All engineering design and associated calculations provided by others and submitted to the SER for review must bear a certification stamp and signature of a qualified professional engineer who is licensed in the state where the project is located. The following items are to be issued as deferred submittals per 2020 Minnesota State Building Code Section 1300.0130:

Cold-formed structural steel framing Structural steel connections

Metal stairs and guardrails

All items issued as deferred submittals are to be issued a minimum of 30 days prior to installation and must not be installed until their design and submittal documents have been reviewed for general conformance to the drawings by the general contractor, the SER and the building official. A copy of the deferred submittal must be forwarded to the authority having jurisdiction (AHJ) after the SER has reviewed the documents and prior to the erection of the deferred submittal items. Deferred submittal items must not be installed until approved by the AHJ.

COORDINATION - ARCHITECTURAL, CIVIL, MECHANICAL, AND ELECTRICAL ITEMS Contractor shall verify all dimensions and conditions on site with the plans before construction begins. All discrepancies must be reported immediately. Location, dimensions and details of recesses, depressions, openings, and equipment supports must be verified by reference to architectural, civil, electrical, and mechanical drawings.

EXISTING CONDITIONS

Contractor shall verify all dimensions, elevations, and details of the existing structure where they affect the new structural work. Notify architect and SER if there are any deviations from the contract documents. Contractor shall field verify dimensions and elevations prior to fabrication of structural members. Remove and replace existing architectural, electrical, mechanical, structural, civil, or miscellaneous items as necessary.

SHORING

General Contractor shall be responsible for temporary shoring of the existing construction until the new construction is in place and properly anchored in final form. Shoring loads for existing structure not shown in documents to be determined by an engineer licensed in the state in which the project is located. Shoring must be designed and the final design must be submitted to SER per Submittal Section for review.

TEMPORARY BRACING All structural members are designed for in-place loads. Contractor is responsible for bracing, without overstressing, all structural elements as required at all stages of construction until completion of this project.

Provide temporary lateral support for all walls until adequately braced by the permanent structure. Provide required temporary bracing for structural steel until permanent bracing and walls are in place.

ROOF TOP EQUIPMENT/OPENINGS

Verify size and location of all openings with architectural and mechanical drawings. Openings in floor and roof not shown on structural drawings must be placed between structural members. The contractor shall provide sleeves through concrete slabs, joists, and beams for all plumbing. Spread reinforcing as required to provide concrete cover for reinforcing. Openings in steel deck between structural members shall have an L3 x 3 x 1/4 each side connected to structural members, up to a maximum span of 5'-0" without prior approval. For any mechanical equipment not shown, the total weight must not exceed 200 lbs without prior approval of the SFR

Provide mechanical unit locations, sizes, and weights to the SER and joist/truss supplier. Do not place multiple roof top units on the same joists without prior approval by the SER. Provide photovoltaic system layout, including ballast loads and/or type, size and spacing of fasteners to structure. GENERAL SOIL NOTES

The structure has been designed using an assumed allowable soil bearing pressure of 2000 psf on virgin soil or compacted granular fill for footings. A qualified geotechnical engineer shall confirm the assumed allowable soil bearing pressure in a geotechnical report, and the site must be prepared in accordance. Any discrepancies in the assumed allowable soil bearing pressure must be reported immediately.

If verified conditions differ from assumed capacities, redesign of the foundation system, size and reinforcing of footings, walls and retaining walls may be required Design of earth retaining walls are based on the following:

Basement walls, supported laterally by the basement floor slab and by the main level framing:

Equivalent fluid pressure of 45 pounds per square foot per foot of depth.

Cantilever retaining walls, supported laterally at the base only: Equivalent fluid pressure of 35 pounds per square foot per foot of depth.

Passive Pressure: of 300 pounds per square foot per foot of depth.

These equivalent fluid pressures are valid only when there is a properly designed and installed drain tile system and granular backfill. The structure must be located on the site as indicated in the geotechnical report. The geotechnical report recommendations are valid for a specific structure location and conditions. If any of the following conditions of the structure change, notify the geotechnical engineer immediately: the structure location, design loads, grading, and/or the size of the structure.

Remove all top soil, un-compacted fill, and other poor soil from the construction site as determined by the geotechnical engineer. Slope the site to drain away from the building.

The contractor shall verify the location of existing underground utilities, tanks and other obstacles prior to beginning excavation.

FOOTINGS

reinforcing must be continuous through footing steps.

UNDERPINNED FOOTINGS

3" - 4" 3" - 5" 3" - 4" 3" - 4"

COLD FORMED STRUCTURAL STEEL All cold formed structural steel must be designed, fabricated, and erected according to the specifications of the American Iron and Steel Institute. Submit complete shop drawings to architect and SER for approval showing the erection plan, framing member sizes, and connection details. Cold formed structural steel supplier shall design and supply all studs, tracks, joists, stiffeners, strap bracing, bridging, end closures, accessories and connections. Cold formed steel framing is to be designed using members as specified by the Steel Stud Manufacturer's Association All welding must match filler materials in accordance with the rules of the American Welding Society (AWS D1.3) Structural Welding Code. All welders shall be certified by the rules of the American Welding Society. Joist or roof member must bear directly over stud. Studs from floor above must bear directly over joists. Cut ends of studs squarely and seat firmly in runner track with full bearing on the structure. Notching or coping of studs is not allowed. Provide a minimum of three studs at corners of all exterior walls and intersecting bearing walls. Provide minimum 33 mil for tracks and 43 mil for all other members. Deflection criteria must conform to the requirements set forth by the IBC. Limit deflection for members supporting brick veneer to a maximum of 1/600 of the span. All field cutting of members must be done by sawing or shearing. Torch cutting of cold-formed members is not acceptable. Splicing of members is not allowed. Steel stud walls must be sheathed both faces with gypsum or structural sheathing unless flange bracing is provided by the manufacturer. See structural notes and details for sheathing. Provide horizontal steel blocking/bridging as per the manufacturer's specifications and requirements for spacing and fastening Framing fabricator must align punchouts when assembling lateral bracing and field cutting studs to length. Lateral bracing must be installed at the time the wall is erected; failure to do so may compromise the structural integrity of the building. Provide unpunched continuous framing members at headers. Screws must conform to the requirements of ASTM C1513. All straps must be stretched and installed taut. Touch up all welds with zinc-rich paint Footings Refer to architectural drawings and specifications for size, minimum thickness, extents and locations of interior Walls, columns non-bearing cold formed steel framing not shown on the structural drawings. Slabs on grade Structural slabs, beams ADHESIVE/MECHANICAL ANCHORS Masonry grout Adhesive and mechanical anchors must be provided and installed in strict accordance with the manufacturer's instructions and the design documents. Refer to the special inspections table for inspection requirements. All horizontal and upwardly inclined installations that resist sustained tension loads must be performed by certified adhesive anchor installers. Provide anchor type and size as indicated on the drawings with length identification markings conforming to ICC ES AC01 or ICC ES AC193. Concrete Screw Anchors are a single-use item. Do not remove and reinstall anchors nor install new anchors in previously used holes. For exposed exterior applications, use only adhesive anchoring systems with stainless steel accessories. Adhesive anchoring systems: Concrete: Hilti HIT HY-200 Hilti HIT-RE 500 Masonry: Hilti HIT HY-270 Mechanical anchoring systems Concrete and grouted CMU:

HILTI Kwik Bolt 3 or Simpson STRONG-BOLT 2 expansion anchor

Alternate anchoring system may be submitted to the SER for approval. Reference drawings for additional

Hilti Kwik HUS-EZ or Simpson Titen HD screw anchor.

information and requirements.

Footings are to be formed cast-in-place concrete. Wall footings to be 12" deep with a minimum projection of 4" each side reinforced with 2-#5 continuous bottom Pad footings to be a minimum of 2'-6" square by 12" deep reinforced with 3-#5 bottom bars each way. Wall footings are centered under walls and pad footings under columns or piers. Provide 30 bar diameter lap at splices and full crossing lap at corners and intersections. Footing elevations shown on plan are to the top of the footing. Maintain minimum frost depth for all exterior footings. Frost depth is 42" typically and 60" at isolated, unheated spaces. Frost depth is measured from finished grade to the bottom of the footing. Where the wall footing elevation changes, step the footing two units horizontal to one unit vertical. Footing Cast dowels in footing for foundation walls, piers and columns above. Dowels are to be the same size, and spacing as the vertical reinforcing of the wall, pier or column. Dowels must extend to 3" clear of bottom of footing. Refer to details for hooked dowels where needed. The contractor is responsible for underpinning of existing foundations where noted. Provide temporary shoring as needed to support vertical loads. Provide temporary bracing as needed to resist horizontal earth pressure and retain the building. Contractor to retain an engineer as needed to design shoring and bracing. Underpinning must be constructed by a company familiar with this type of work. Underpinning designs must be submitted to SER for review, prior to construction. CONCRETE Provide ready-mixed concrete per ASTM C94. Portland cement must be ASTM C150, Type I. Use only one brand of cement throughout the work. Provide concrete aggregates meeting the requirements of ASTM C33. Water must be clean, free of deleterious amounts of acids, alkalis, or organic materials, and be considered potable. Provide admixtures to reduce water content, provide air-entrainment, or alter the quality of the concrete to meet the job conditions. Admixtures must be indicated in the mix designs. All concrete exposed to weather, freeze-thaw conditions or de-icing chemicals shall contain 6% ± 1.5% entrained air for mixes with 3/4" max aggregate size. Refer to ACI 318 for other aggregate sizes. Slump at point of discharge shall be as follows: Verify slump on site matches slump specified in the approved mix design by testing methods listed in ASTM Workability of the concrete must be maintained so that concrete will completely fill forms without voids and bond to reinforcing without separation of materials. Mix and deliver concrete in accordance with ASTM C94. Cooled or heated water must be used in accordance with ACI 305 and 306. Ready mixed concrete must be transported to the site in watertight agitators or mixer trucks loaded not in excess of rated capacities. Discharge at the site must be within one hour after charging. Airentraining and chemical admixtures, if approved, must be charged into mixer as a solution as recommended by the manufacturer. Concrete placed during cold weather must conform to the requirements of ACI 306.1. For hot weather conditions, apply recommendations of ACI 305. Place concrete in accordance with ACI 304 "Guide for Measuring, Mixing, Transporting, and Placing Concrete". Use mechanical vibrating equipment for consolidation. Do not use vibrators to transport concrete in forms. Protect fresh concrete from premature drying and excessively hot or cold temperatures while maintaining minimal moisture loss at a relatively constant temperature above 55 degrees Fahrenheit. Provide wire, plastic, or precast concrete spacers, chairs, slab bolsters, support bars, etc. for support of reinforcing steel in proper position while placing concrete. Chairs/bolsters must be stable and resist tipping.

POURED CONCRETE WALLS

Reinforce poured concrete walls as shown in the drawings. Provide #4 x 4'-0" long (equal legs) horizontal reinforcing corner bars at 12" OC at outside corner of wall and 3 -#4 vertical support bars.

2 - #5 x 4'-0" diagonal bars at each corner of opening. Wall reinforcing must be continuous through columns and pilasters. Vertical construction joints in walls shall be a maximum of 80 feet on center and shall be located as shown on structural drawings. Vertical control/contraction joints in wall shall be a maximum of 20 feet on center between construction joints and shall be located as shown on the structural drawings. If locations are not shown, locate joints at edges of piers integral with wall and near corners and in concealed locations where possible. Provide full development and splice lengths per Concrete Reinforcing Steel Institute (CRSI) or ACI 318

requirements. Concrete must not be laid when the temperature of the outside air is below 40 degrees Fahrenheit unless approved methods are used during construction to prevent damage to the concrete. All materials used and surfaces built upon must be free of snow and ice. Concrete must not bear permanently on wood members.

CONCRETE SLABS All slabs on grade to be 4" thick and reinforced with 3.0 pounds per cubic yard of polypropylene macro fiber. All concrete stairs cast on grade are to be a minimum of 6" thick and reinforced with #4 at 12" OC, each way, with

3" cover at bottom. Construction and/or control joints should occur at a maximum of 10'-0" OC at exterior slabs on grade, and at a maximum of 12'-0" OC at interior slabs on grade. Construction and/or control joints should be laid out in a rectangular pattern with long to short side ratio less than or equal to 1.5 and with no re-entrant corners. Control joints for slabs on grade should be saw-cut as soon as concrete can accept it without raveling. Do not cut control joints in structural slabs or topping slabs unless specifically directed. All control/construction joints must be continuous and not staggered or offset.

Control joints must be cleaned and sealed for curing purposes as soon as possible. Verify floor finishes and control/construction joint locations with owner and architect.

THICKENED SLAB ON GRADE

wide x 8" deep thickened slab with 2 - #4 continuous bottom bars, placed 3" clear of bottom.

CONCRETE TOPPING All topping slabs must be reinforced with 3.0 pounds per cubic yard of polypropylene macro fiber. Do not cut control joints in topping slabs unless specifically directed.

CONCRETE COVER ON REINFORCING 3" clear, bottom and sides Footings

Walls Slab on Grade

#5 and smaller: 1-1/2" clear, outside face and 1" clear inside face #6 and larger: 2" clear, outside face and 1" clear inside face Columns and Beams 1-1/2" clear to ties or stirrups Center reinforcing in slab

Slabs on Metal Deck Center reinforcing in portion of slab above metal deck MASONRY VENEER Masonry veneer is assumed to be a single 4" nominal wythe.

Anchor veneer to masonry backup with loop-and-pintle ties integrated with horizontal joint reinforcing at 16" OC vertically. Anchor veneer to wood or cold formed steel stud backup framing with adjustable pintle-type anchors for every 2.67 square feet of veneer (16" OC vertically and 24" OC horizontally maximum). Place and install masonry brick wall ties as described in chapter 21 of the IBC for masonry and stud back up walls. Place control joints in masonry veneer such that no straight run of wall exceeds the lesser of 25 feet or 1.5 times

the height. Locate control joints at least 4'-0" from masonry wall pilasters and corners. All brick openings not specifically indicated to have other types of lintels must have the following loose lintels and bear 8" each end:

Maximum 5'-0" span:L 3 1/2 x 3 1/2 x 5/16 Maximum 8'-0" span:L 6 x 3 1/2 x 3/8 LLV

STRUCTURAL STEEL Structural steel must be designed, fabricated, and erected according to the specifications of the American Institute of Steel Construction (AISC). Roof structure has been designed for ponding in accordance with the IBC, section 1611. Overflow drains are required and roof scuppers must not have ballast stops higher than the roof ballast. See the architectural and/or mechanical drawings All beams shall be cambered at mid-span as indicated on the structural drawings. No center-point cambering is Cambers indicated shall be for the beam in the erected position after completion of the end connections and

prior to any other dead loads. Naturally occurring camber in beams to be set with the camber up.

Structural steel supplier must supply all cap plates, bearing assemblies, base plates, stiffeners, splices and connections. All welding must match filler materials in accordance with the rules of the American Welding Society (AWS D1.1) Structural Welding Code.

All welders shall be certified by the rules of the American Welding Society.

Steel beams to have minimum 5/16" x 3/4 beam height web stiffeners each side at all bearing locations and when supporting columns above. Field weld all steel beams to concrete or masonry bearing plates full length each face with 1/4" fillets. Steel beam lintels to have 5/16" thick bottom plate welded to the bottom flange with 1/4" x 2" fillet welds at 12" OC each face staggered.

Steel lintels to bear on masonry a minimum of 8" each end of the opening. Reinforce the masonry core under the

lintel and first adjacent core full height with minimum 1 - #5 vertical reinforcing bar. Grout each core solid. At steel lintels, field weld 5/8" x 24" vertical threaded rod or #5 x 24" weldable rebar to top flange matching vertical reinforcing placement. All structural steel below grade must be coated with bituminous paint. All structural steel exposed to weather must be galvanized.

Modification of structural steel members in the field is not permitted without prior approval by the SER. STRUCTURAL STEEL CONNECTIONS Provide standard connections per the AISC 360 Steel Construction Manual.

Provide certified calculations for non-standard connections by a qualified Professional Engineer who is licensed in the state where the project is located. Connections shown in details without plate, bolt or weld call-outs are for understanding of geometry and represent engineers' concept. Steel supplier is to design for reactions shown on drawings and per structural notes. Deviations from connections shown are acceptable.

Provide minimum 2 bolt connections. Refer to Architectural Drawings for additional connection requirements for exposed to view connections. Concealed connections to be completely contained within finishes. Connections which require additional capacity or have special reaction requirements are noted on the drawings

similar to V = 75 k for Shear, P = 10 k for Axial and M= 25 k-ft for Moments. All forces given are service/factored load reactions. Typically provide bolted connections for field installation and welded or bolted shop connections. Provide 3/4" diameter A325-N bolts in standard or short slotted holes for shear connections. Structural steel supplier must provide all components for OSHA requirements.

STEEL DECKING Manufacture, detail and install steel deck and accessories in accordance with the Steel Deck Institute (SDI) specifications.

See plan for deck fastening requirements. Provide weld washers where deck is 22 ga and thinner.

Make deck joints over structural supporting members only. Steel deck should span continuously over a minimum of three spans, where possible. End joints of roof and non-composite deck must be lapped 2". End joints of composite deck must be butted. Provide minimum #10 TEK screws for sidelap fasteners. Provide and install pour stops and end closures as required by the SDI. Decking is designed unshored. When shoring is indicated, shore per manufacturer's recommendations. Provide a prime painted finish at roof deck and a galvanized finish for composite deck. Leave form deck

unfinished. Do not cut openings in composite slabs until after concrete has reached full design strength.

All wall openings larger than 12" must have 2 - #5 at all sides extending 2'-0" beyond each edge of opening with

Where no footing or foundation wall is shown under a masonry wall, slabs under such walls must include a 16"

SPECIAL INSPECTIONS The contractor shall include in the bid the cost of all testing and inspections indicated on the plans and in the specifications, including special inspections required by the building code. The actual contracting of the inspection and testing services shall be in accordance with the division of responsibility dictated by the Minnesota Building Code. IBC Section 1705 requires that in addition to the inspections required by Section 110, the owner shall employ one or more special inspectors who shall provide inspections during construction of certain types of work. "Special Inspection" concerns work requiring observation and judgement and shall be performed by a structural engineer (or a designated person under the supervision of the engineer). "Testing" involves the analysis of materials in accordance with approved standards and shall be performed by an independent testing agency. The contractor shall coordinate the testing and inspection services in accordance with the progress of the work. The contractor shall provide sufficient prior notice to the testing and/or inspection agency of the required work to allow proper scheduling of personnel. The cost of any retesting or additional inspections as a result of failed tests and rejected work shall be borne by the contractor.

REQUIRED SPECIAL INSPECTION DESCRIPTION OF WORK IBC SECTION 1705 Welding 2. Struct Steel Details High Strength Bolting 4. Concrete Construction 5. Structural Masonry 6. Wood Assemblies . Soils 8. Driven Deep Foundations (9. Cast-inplace Deep Foundations 10. Helical Pile Foundations 1. Special Inspections for Wind Resistance 12. Sprayed Fire-Resistant Materials 13. Mastic and Intumescent Fire-Resistant Materials 14. Exterior Insulation and Finish Systems (EIFS) 15. Fire Resistance Penetration and Joints

16. Special Cases (1705.1.1) SPECIAL INSPECTIONS WORK REQUIRED

16. Smoke Control

Items marked with an asterisk " * " are conventional testing not strictly a part of Section 1705 but are required for adequate quality assurance and can be provided by the contractor. All other work must be provided by the owner as indicated by the MN State Building Code. 1. Welding - Structural Steel

- process b. Provide visual inspection of all field welding. c. Qualification of Welders prior to start of work.
- 2. Structural Steel Details
- 3. High-strength Bolting
- b. Visual Inspection of all field bolting. have been drawn together properly.
- nut, direct tension indicator, or twist-off bolt.
- 4. Concrete Testing accordance with the specifications
- specifications. d. Design of concrete footing is based on design stress F'c = 2500 psi, therefore no special inspection required. OR (CHOOSE ONE d., ABOVE OR BELOW, NOT BOTH)
- d. Provide periodic visual inspection of reinforcing:

5. Masonry - Level B Quality Assurance

I. Reinforcing size and spacing.

II. Grout pour height and cleanouts. III. Hot weather or cold weather procedures. 6. Wood Assemblies

a. Provide verification of Quality Control/Quality Assurance Program regarding fabrication b. Visually inspect framing layout and connection details.

b.* Verify material used for compacted backfill. c.* Test compacted backfill for specified compaction.

16. Special Cases

This project requires a STRUCTURAL TESTING AND SPECIAL INSPECTION SCHEDULE, to be signed by the Owner, Contractor, Architect, Structural Engineer of Record, and Testing Agency. Refer to the program summary schedule for frequency of testing and inspections.

ONS)NS						
	INSPE	CTION	TES	TING		DEMADVS	
	YES	NO	YES	NO	N/A	REIVIARKS	
1705.2)	•			\bullet		1a, 1b, 1c, and 1d	
1705.2.1)	ullet			\bullet		2a	
1705.2.1)	ullet			\bullet		3a, 3b, 3c, and 3d	
1705.3)	ullet		\bullet			4a, 4b, 4c, and 4d	
1705.4)	\bullet					5a, 5b, and 5c	
1705.5)						6a and 6b	
1705.6)		•				7a, 7b, and 7c	
1705.7)							
(1705.8)					•		
(1705.9)							
1705.11)							
1705.14)					•	See architectural drawings	
1705.15)						See architectural drawings	
1705.16)						See architectural drawings	
1705.17)						See architectural drawings	
1705.18)						See architectural drawings	

a.* Provide verification of Quality Control/Quality Assurance Program regarding fabrication

d. Provide periodic visual inspection of roof and floor deck welding. Review type and spacing of sidelap fasteners. Inspect all roof and floor deck areas prior to placement of roof insulation or other covering.

a. Provide visual inspection of structural steel details such as bracing, stiffening, member configuration, and proper construction of joint details at each connection.

a. Provide verfication of Quality Control/Quality Assurance Program regarding fabrication

c. Bolt designs are based on "bearing" type connections, verify that the connected materials d. Provide periodic inspection of bolt installation method. Acceptable methods are turn of the

a.* Provide mix design in accordance with ACI requirements. b. Test concrete at the time of pouring for slump, air-entrainment, and temperature in

c. Make and test concrete cylinders for representative strength in accordance with the

I. Visual inspection of all pad footings prior to pour. II. Visual inspection of 25% of continuous strip footings prior to pour. III. Visual inspection of 50% of poured foundation wall reinforcing prior to pour.

IV. Visual inspection of 50% of slab on grade and topping over metal deck prior to pour.

a. Design of masonry based on net area compressive strength of masonry = 2000 psi. Inspections may be performed in accordance with Table 1.19.2 in ACI 530-11. b. Provide letter of certification from the manufacturer of concrete masonry units and suppliers of mortar and grout, to assure compliance with the compressive strengths required. c. Inspection of masonry core grouting - (1) inspection prior to each grouting procedure.

a.* Verify footing excavation for suitability for planned footing.

a. Post-installed anchors. Inspection requirements based on manufacturer's requirements, as described in the ICC Evaluation Service Report (ICC-ESR).

STRUCTURAL ABBREVIATIONS

ANCHOR BOLT

ACI	AMERICAN CONCRETE
ADD	ADDENDUM
ADDN'L	
AISC	AMERICAN INSTITUTE OF STEEL
	CONSTRUCTION
ALT	ALTERNATE
ΑΜΙ ΔΝCΗ	AMOUNI ANCHOR ANCHORAGE
ANSI	AMERICAN NATIONAL
	STANDARDS INSTITUTE
ARCH	ARCHITECT(URAL)
ASCE	CIVIL ENGINEERS
ASD	ALLOWABLE STRESS DESIGN
ASTM	AMERICAN SOCIETY FOR
AWFD	PRESERVATIVE BUREAU
AWS	AMERICAN WELDING SOCIETY
_	
B	ROARD
BDE	BOTTOM OF DECK ELEVATION
BFE	BOTTOM OF FOOTING
	ELEVATION
BGBE	BOTTOM OF GRADE BEAM
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BOT OR BTM	BOILOM
BPCF	BOTTOM OF PILE CAP FLEVATION
BRG	BEARING
BS	BOTH SIDES
BTWN	BETWEEN
c	
<u>с</u>	CHANNEL
CANT	CANTILEVER(ED)
CFS	COLD-FORMED STEEL
CL	CENTERLINE
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMP	COMPOSITE
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
D	
DBA	
DBL	DOUBLE
DEFL	DEFLECTION
DEMO	DEMOLITION
DIA	DIAMETER
DIAG	DIAGONAL
DIM(S)	DIMENSION(S)
DL	
DWG(S)	DOWN DRAWING(S)
DWL(S)	DOWEL
_	
E (E) or EVIST	EXISTING
	EAST
EA	EACH
EDBE	EXISTING DECK BEARING
CC	
EL OR FI FV	
ELEC	ELECTRICAL
ENCL	ENCLOSURE
ENG	
EUK FS	ENGINEER OF RECORD
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXP	EXPANSION
EVI	EATERIUK

FLOOR D FOUNDA FDN FINISH F FLOOR FIR FIRE RET FAR SIDE FEET OR FOOTING FIELD VEF GAGE, GALV GALVAN GENERAI GLUED LA GLULAM GYPSUM GYP HEADER HDR HANGER HGR HOOK HORIZON HORIZ HEADED HOLLOW HSS HEIGHT INTERN CODE INSIDE D INSIDE F INCH INFORM INFO INT INTERIO JOIST B JST(S) JOIST(S) JOINT KIP(S) KIPS PER KIF KSI KIPS PER ANGLE LIVE LOA LONG LE IIH LONG LE LLV LONGITU LONG LRFD LOAD RE DESIGN IAMINA OR LON LIGHT LT WT LIGHT WE LAMINA LVL LIGHT W LWC MOMEN MASONR MAS MATR'I MATERIA MAX MAXIMU MB MACHIN MISCELL MC MECH MECHAN MEZZ MEZZAN MFR MANUF MINIMU MIN MISC MISCELL MASO MSR MACHIN MTL METAL NORTH NDS NATIONA SPECIFIC/ NIC NOT IN (NOM NOMINA NEAR SID NS NOT TO S NTS NORMAL NWC ON CEN

FABRIC

OUTSIDE OUTSIDE OPENING OPPOSITE ORIENTE OVERSIZE

OD

OF

OPNG

OPP

OSB

OVS

ATE OR FABRICATOR DRAIN ATION ELOOR ELEVATION ARDANT TREATED FOOT G RIFY UAGE IZED L CONTRACTOR AMINATED WOOD 1 NTAL STUD(S) V STRUCTURAL SECTION ATIONAL BUILDING DIAMETER ACE ATION R CARING ELEVATION	P PAF PC PE PERIM PL PLF PLK PROJ PSF PSI PSL PT PV Q Q QTY R R RAD RD REBAR REINF REQ'D REV RO REBAR REINF REQ'D REV RO S S SCHED SEC SER SHT SIM SJI SL SOG SPEC SPF SQ SS SSI	POW(D)ER-ACTUATED FASTENER PRECAST PROFESSIONAL ENGINEER PERIMETER PLATE POUNDS PER LINEAL FOOT PLANK PROJECTION POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PARALLEL STRAND LUMBER POST TENSION PHOTOVOLTAIC QUANTITY RADIUS ROOF DRAIN REINFORCING BAR REINFORCE(D), (ING) REQUIRED REVERSE(D) OR REVISE(D), REVISION ROUGH OPENING SOUTH OR STEP SCHEDULE SECTION STRUCTURAL ENGINEER OF RECORD SHEET SIMILAR STEEL JOIST INSTITUTE SNOW LOAD SLAB ON GRADE SPECIFICATION SPRUCE/PINE/FIR SQUARE STAINLESS STEEL SHORT-SI OTTED	MACDONALD & MACK
AD G HORIZONTAL G VERTICAL JDINAL ESISTANCE FACTOR TED STRAND LUMBER G-SLOTTED VEIGHT TED VENEER LUMBER VEIGHT CONCRETE T RY AL JM JE BOLT ANEOUS CHANNEL VICAL JINE ACTURER M ANEOUS RY OPENING JE STRESS RATED AL DESIGN CONTRACT AL DE SCALE L WEIGHT CONCRETE TER E DIAMETER E FACE G TE ED STRAND BOARD ZED	STD STIFF STL STRUCT SUPP SWS SYP T T & B T & G TBE TC TDE TEBE TEDE TEDE TEFE TEMP TESE TEWE TFE TGBE THRU TLE TPCE TPE TPI TRANS TRTD TSE TWE TPE TPI TRANS TRTD TSE TWE TYP U UNEXC UNO V VER VIF VERT(S) W WWWF	STANDARD STIFFENER STEEL STRUCTURE OR STRUCTURAL SUPPORT STRUCTURAL WOOD SCREWS SOUTHERN YELLOW PINE TOP AND BOTTOM TONGUE AND GROOVE TOP OF BEAM ELEVATION TOP OF BEAM ELEVATION TOP OF DECK ELEVATION TOP OF EXISTING BEAM ELEVATION TOP OF EXISTING FOOTING ELEVATION TOP OF EXISTING FOOTING ELEVATION TOP OF EXISTING SLAB ELEVATION TOP OF FOOTING ELEVATION TOP OF GRADE BEAM ELEVATION TOP OF GRADE BEAM ELEVATION TOP OF JEE CLEVATION TOP OF JEE CLEVATION TOP OF PILE CAP ELEVATION TOP OF PILE CAP ELEVATION TOP OF PILE CAP ELEVATION TOP OF SLAB ELEVATION TOP OF WALL ELEVATION TOP OF WALC FLANGE WITH	<form></form>
STRUCTU S000 STRUCTU S100 FOUNDA S101 FIRST FLO S102 SECOND S103 THIRD FL S200 FOUNDA S210 FLOOR F S220 ROOF FR ROOF FRAMING PLAN THIRD FLOOR FRAMING PLAN SECOND FLOOR FRAMING PLAN FRAMING PLAN SECOND FLOOR FRAMING PLAN FOUNDATION FOUNDATION FOUNDATION FOUNDATION FOR F	RAL SHEE	FINDEX SPECIAL INSPECTIONS AN SPLAN LAN ID SECTIONS AND SECTIONS AND SECTIONS	Kehabilitation, HVAC Upgrade, and AdditionI824 Marshall Avenue, Saint Paul, MN 55104DRAWNDRAWNMADDRAWNMADDAWNMADDAWNMADDAWNMADDAWNMADDAWNMADDAWNMADDAWNDAWNMADDAWNMADDAWNMADDAWNMADDATE12/23/2020REVISIONS

5000

NORTHWEST ISOMETRIC VIEW FOR REFERENCE ONLY

PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND DETAILS OF EXISTING STRUCTURE WHERE THEY AFFECT STRUCTURAL WORK. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF RECORD IF THERE ARE ANY DEVIATIONS FROM CONTRACT DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION OF STRUCTURAL MEMBERS.
- 2. TOP OF CONCRETE SLAB ELEVATION =
- 3. SEE DETAILS 2/S200AND 3/S200FOR TYPICAL JOINTS.
- 4. SEE ARCHITECTURAL DRAWINGS FOR SLOPED SLABS AND FLOOR DRAINS.
- 5. MAINTAIN MINIMUM OF 42" COVER (FINAL GRADE ELEVATION TO BOTTOM OF FOOTING) AT ALL EXTERIOR WALL FOOTINGS. STEP FOOTINGS AS NECESSARY TO MAINTAIN COVER AND TO CLEAR UNDERGROUND UTILITIES/SLOPED SLABS. SEE DETAIL 1/S200FOR TYPICAL STEPPED FOOTING. APPROXIMATE LOCATIONS MARKED THUS: " ∽ — — ∽ ".
- 6. SEE 4/S200FOR TYPICAL UNDERGROUND PIPING EXCAVATION.
- 7. SUMP PIT LOCATIONS AND FOUNDATIONS TO BE COORDINATED WITH MECHANICAL.

FOOTING SCHEDULE					
MARK	SIZE	REINFORCEMENT			
F-	28" x 12" THICK CONTINUOUS	(3) - #5 CONTINUOUS			
Fa	16" x 12" THICK CONTINUOUS	(2) - #5 CONTINUOUS			
Fb	20" x 12" THICK CONTINUOUS	(2) - #5 CONTINUOUS			

CON	CRETE P	PIER SCHEDULE	·
MARK	SIZE	REINFORCEMENT	
CP1	16" x 16"		

SCHEDULE NOTES (TYPICAL UNLESS NOTED OTHERWISE):

- 1. PROVIDE DOWELS FROM PIER TO FOOTING THAT LAP AND ARE THE SAME SIZE AND NUMBER AS VERTICAL BARS.
- 2. PROVIDE (3) SETS OF TIES @ 4" OC AT TOP OF PIER.
- 3. SEE PLAN FOR TOP OF PIER ELEVATION.
- AT SINGLE TIE LEGS, ALTERNATE LOCATIONS OF 135 DEGREE HOOKED ENDS.

CONCRETE WALL REINFORCEMENT SCHEDULE							
MARK WALL TYPE REINFORCEMEN							
CW8	8" CONCRETE						
CW16 16" CONCRETE							

NORTH

SCHEDULE NOTES (TYPICAL UNLESS NOTED OTHERWISE):

- PROVIDE VERTICAL DOWELS TO FOUNDATION TO MATCH SIZE AND SPACING OF WALL REINFORCEMENT. PROVIDE STANDARD HOOK WHERE REQUIRED.
- 2. PROVIDE CLASS B LAP ON DOWELS IN WALL.
- 3. PROVIDE DOWELS TO WITHIN 3" OF BOTTOM OF FOOTING.

STEEL COLUMN SCHEDULE								
MARK	SIZE	BASE PLATE	REMARK					
SA	HSS4X4X1/4							

SCHEDULE NOTES (TYPICAL UNLESS NOTED OTHERWISE):

 COLUMN MARKS SHOWN ON PLAN INDICATE COLUMNS STARTING AT THIS LEVEL.

PLAN VIEW

(UNMARKED)

"L"

5 1/2"

8 1/2"

11 1/2"

14 1/2"

BEAM

SIZE

W8, W10

W12, W14

W16, W18

W21

PLATE | NUMBER

LENGTH OF BOLTS

"n"

2

4

5

SHEAR TAB CONNECTION SCHEDULE

1. COLUMN MARKS SHOWN ON PLAN INDICATE COLUMNS STARTING AT THIS LEVEL.

STEEL COLUMN SCHEDULE							
MARK	SIZE	BASE PLATE	REMARKS	!			
SA	HSS4X4X1/4						

SCHEDULE NOTES (TYPICAL UNLESS NOTED OTHERWISE):

STEEL COLUMN SCHEDULE					
MARK	SIZE	BASE PLATE	REMARKS		
SA	HSS4X4X1/4				

DOUBLE ANGLE

CONNECTION SCHEDULE

(UNMARKED)

"L"

5 1/2"

8 1/2"

11 1/2"

14 1/2"

17 1/2"

20 1/2"

SCHEDULE NOTES (TYPICAL UNLESS NOTED

1. DETAIL APPLIES TO ALL SIMPLY SUPPORTED

2. FOR W8 AND W10 BEAMS, MAXIMUM TOP

BEAMS UNLESS SPECIFIC DETAILS FOR AN

ALTERNATE CONNECTION ARE PROVIDED.

AND/OR BOTTOM COPES SHALL BE 1 1/2"

TALL x 5" LONG. FOR ALL OTHER W SIZES,

BE 2" TALL x 5" LONG. STEEL FABRICATOR SHALL DESIGN CONNECTIONS FOR BEAMS

w/ LARGER COPES.

MAXIMUM TOP AND BOTTOM COPES SHALL

BEAM

SIZE

W8, W10

W12, W14

W16, W18

W21

W24

W27

OTHERWISE):

SUPPORT -

PLATE | NUMBER

LENGTH OF BOLTS

"n"

2

3

4

5

6

STEEL COLUMN SCHEDULE	

S101 1/4" = 1'-0" PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):

T FIRST FLOOR FRAMING PLAN

- 2. COMPOSITE FLOOR SLAB SHALL BE 2 1/2" CONCRETE ON TYPE 1.5VL, 20 GA COMPOSITE DECK CONTINUOUS OVER THREE SPANS MINIMUM (4" TOTAL THICKNESS). REINFORCE CONCRETE TOPPING w/ 6 x 6 - W1.4 x W1.4 WWF. SEE DETAIL 3/S210 FOR ADDITIONAL INFORMATION.
- 3. TOP OF STEEL ELEVATIONS SHALL BE
- FIRST FLOOR = 1'-10 1/2". SECOND FLOOR = 11'-6 1/2".
- THIRD FLOOR = 21'-4 1/2". 4. ELEVATIONS SHOWN THUS "(+12)" ARE TOP OF STEEL ELEVATION ABOVE ELEVATION NOTED IN
- PLAN NOTE 3 AT RESPECTIVE FLOOR.
- 5. REFER TO 4/S210 AND 5/S210 FOR TYPICAL DETAILING AROUND OPENINGS IN COMPOSITE FLOOR. VERIFY OPENING DIMENSIONS w/ ARCH.
- 6. MARKS THUS: " —— + H INDICATE BEAM SPLICE CONDITION. SEE DETAIL 3/S220 FOR
- ADDITIONAL INFORMATION.
- 7. MARKS THUS: "
- 8. MARKS THUS: " XXk T INDICATE BEAM END REACTION IN KIPS AS A SERVICE LOAD.
- 9. COMPOSITE BEAM NOTATION:

 \prec FOR Z > 30°

HALL

SECOND FLOOR FRAMING PLAN

S102 1/4" = 1'-0" PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):

- 2. COMPOSITE FLOOR SLAB SHALL BE 2 1/2" CONCRETE ON TYPE 1.5VL, 20 GA COMPOSITE DECK CONTINUOUS OVER THREE SPANS MINIMUM (4" TOTAL THICKNESS). REINFORCE CONCRETE TOPPING w/ 6 x 6 - W1.4 x W1.4 WWF. SEE DETAIL 3/S210 FOR ADDITIONAL INFORMATION.
- 3. TOP OF STEEL ELEVATIONS SHALL BE FIRST FLOOR = 1'-10 1/2". SECOND FLOOR = 11'-6 1/2". THIRD FLOOR = 21'-4 1/2".
- 4. ELEVATIONS SHOWN THUS "(+12)" ARE TOP OF STEEL ELEVATION ABOVE ELEVATION NOTED IN
- PLAN NOTE 3 AT RESPECTIVE FLOOR.

- 5. REFER TO 4/S210 AND 5/S210 FOR TYPICAL DETAILING AROUND OPENINGS IN COMPOSITE

- FLOOR. VERIFY OPENING DIMENSIONS w/ ARCH.
- 6. MARKS THUS: " ——— " INDICATE BEAM SPLICE CONDITION. SEE DETAIL 3/S220 FOR ADDITIONAL INFORMATION.
- 7. MARKS THUS: "
- 8. MARKS THUS: " _____XXk_____ " INDICATE BEAM END REACTION IN KIPS AS A SERVICE LOAD.
- 9. COMPOSITE BEAM NOTATION:

CAMBER 10. MARKS THUS: " —— " INDICATE MOMENT CONNECTION.

DOUBLE ANGLE CONNECTION SCHEDULE (UNMARKED)							
BEAM SIZE PLATE NUMBER LENGTH OF BOLTS "L" "n"							
W8, W10	5 1/2"	2					
W12, W14	8 1/2"	3					
W16, W18	11 1/2"	4					
W21	14 1/2"	5					
W24	17 1/2"	6					
W27	20 1/2"	7					

SCHEDULE NOTES (TYPICAL UNLESS NOTED OTHERWISE):

- 1. DETAIL APPLIES TO ALL SIMPLY SUPPORTED BEAMS UNLESS SPECIFIC DETAILS FOR AN ALTERNATE CONNECTION ARE PROVIDED.
- 2. FOR W8 AND W10 BEAMS, MAXIMUM TOP AND/OR BOTTOM COPES SHALL BE 1 1/2" TALL x 5" LONG. FOR ALL OTHER W SIZES, MAXIMUM TOP AND BOTTOM COPES SHALL BE 2" TALL x 5" LONG. STEEL FABRICATOR SHALL DESIGN CONNECTIONS FOR BEAMS w/ LARGER COPES.

SHEAR TAB CONNECTION SCHEDULE (UNMARKED)							
BEAM SIZE	NUMBER OF BOLTS "n"						
W8, W10	5 1/2"	2					
W12, W14	8 1/2"	3					
W16, W18	11 1/2"	4					
W21	14 1/2"	5					
W24	17 1/2"	6					
W27	20 1/2"	7					

SCHEDULE NOTES (TYPICAL UNLESS NOTED OTHERWISE):

- 1. DETAIL APPLIES TO ALL SIMPLY SUPPORTED BEAMS UNLESS SPECIFIC DETAILS FOR AN ALTERNATE CONNECTION ARE PROVIDED.
- 2. FOR W8 AND W10 BEAMS, MAXIMUM TOP AND/OR BOTTOM COPES SHALL BE 1 1/2" TALL x 5" LONG. FOR ALL OTHER W SIZES, MAXIMUM TOP AND BOTTOM COPES SHALL BE 2" TALL x 5" LONG. STEEL FABRICATOR SHALL DESIGN CONNECTIONS FOR BEAMS w/ LARGER COPES.

DETAIL VIEW

PLAN VIEW

nsed Profession ; of the State of NO	ial Engine Menedola	r under the
CONST	RUU	
neth J. Creen Y Project Contac	#00000 ct: Ken Gro	00/00/0000 een
REV	ISIONS	
Description		Date
-		
-		
-		
1		
	REV	nsed Profeseronal Engine of the State of Mariada NOSTRUC ONSTRUC ONSTRUC Intel Jonen #00000 Project Contact: Ken Gro REVISIONS Description

PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND DETAILS OF EXISTING STRUCTURE WHERE THEY AFFECT STRUCTURAL WORK. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF RECORD IF THERE ARE ANY DEVIATIONS FROM CONTRACT DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION OF STRUCTURAL MEMBERS.
- COMPOSITE FLOOR SLAB SHALL BE 2 1/2" CONCRETE ON TYPE 1.5VL, 20 GA COMPOSITE DECK CONTINUOUS OVER THREE SPANS MINIMUM (4" TOTAL THICKNESS). REINFORCE CONCRETE TOPPING w/ 6 x 6 - W1.4 x W1.4 WWF. SEE DETAIL 3/S210 FOR ADDITIONAL INFORMATION.
- 3. TOP OF STEEL ELEVATIONS SHALL BE FIRST FLOOR = 1'-10 1/2". SECOND FLOOR = 11'-6 1/2". THIRD FLOOR = 21'-4 1/2".
- 4. ELEVATIONS SHOWN THUS "(+12)" ARE TOP OF STEEL ELEVATION ABOVE ELEVATION NOTED IN PLAN NOTE 3 AT RESPECTIVE FLOOR.
- 5. REFER TO 4/S210 AND 5/S210 FOR TYPICAL DETAILING AROUND OPENINGS IN COMPOSITE FLOOR. VERIFY OPENING DIMENSIONS w/ ARCH.
- 6. MARKS THUS: " → ↓ → " INDICATE BEAM SPLICE CONDITION. SEE DETAIL 3/S220 FOR
- ADDITIONAL INFORMATION.
 7. MARKS THUS: "
- 8. MARKS THUS: " _____XXk_____ " INDICATE BEAM END REACTION IN KIPS AS A SERVICE LOAD.
- 9. COMPOSITE BEAM NOTATION:

10. MARKS THUS: " —— " INDICATE MOMENT CONNECTION.

DOUBLE ANGLE CONNECTION SCHEDULE (UNMARKED)							
BEAM PLATE NUMBER SIZE LENGTH OF BOLTS "L" "n"							
W8, W10	5 1/2"	2					
W12, W14	8 1/2"	3					
W16, W18	11 1/2"	4					
W21	14 1/2"	5					
W24	17 1/2"	6					
W27	20 1/2"	7					

SCHEDULE NOTES (TYPICAL UNLESS NOTED OTHERWISE):

- 1. DETAIL APPLIES TO ALL SIMPLY SUPPORTED BEAMS UNLESS SPECIFIC DETAILS FOR AN ALTERNATE CONNECTION ARE PROVIDED.
- 2. FOR W8 AND W10 BEAMS, MAXIMUM TOP AND/OR BOTTOM COPES SHALL BE 1 1/2" TALL x 5" LONG. FOR ALL OTHER W SIZES, MAXIMUM TOP AND BOTTOM COPES SHALL BE 2" TALL x 5" LONG. STEEL FABRICATOR SHALL DESIGN CONNECTIONS FOR BEAMS W/ LARGER COPES.

3" MAX 1 3/8" 5/16" THICK DOUBLE ANGLES

DETAIL VIEW

SHEAR TAB CONNECTION SCHEDULE (UNMARKED)							
BEAM SIZE PLATE NUMBER LENGTH OF BOLTS "L" "n"							
W8, W10	5 1/2"	2					
W12, W14	8 1/2"	3					
W16, W18	11 1/2"	4					
W21 14 1/2" 5							
W24	17 1/2"	6					
W27	7						

OTHERWISE):

- 1. DETAIL APPLIES TO ALL SIMPLY SUPPORTED BEAMS UNLESS SPECIFIC DETAILS FOR AN ALTERNATE CONNECTION ARE PROVIDED.
- FOR W8 AND W10 BEAMS, MAXIMUM TOP AND/OR BOTTOM COPES SHALL BE 1 1/2" TALL x 5" LONG. FOR ALL OTHER W SIZES, MAXIMUM TOP AND BOTTOM COPES SHALL BE 2" TALL x 5" LONG. STEEL FABRICATOR SHALL DESIGN CONNECTIONS FOR BEAMS WILLADCED CODES

3/4" DIA A325-N BOLTS @ 3" OC. SEE SCHEDULE FOR QUANITY.

DETAIL VIEW

Lice	ensed Profession s of the State of	nal Engine Minisola	er under the
\int	CONST	RUC	rion
Ker MM	neth J. Creen Y Project Conta	#00000 ct: Ken Gr	00/00/0000 een
	REV	ISIONS	
No.	Description		Date

- PLAN NOTES (TYPICAL UNLESS NOTED OTHERWISE):
- 1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND DETAILS OF EXISTING STRUCTURE WHERE THEY AFFECT STRUCTURAL WORK. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF RECORD IF THERE ARE ANY DEVIATIONS FROM CONTRACT DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION OF STRUCTURAL MEMBERS.
- 2. TYPE 1.5F, 20 GA ROOF DECK CONTINUOUS OVER THREE SPANS MINIMUM. SEE DETAIL 1/S220 FOR ADDITIONAL INFORMATION.
- 3. TOP OF STEEL ELEVATION = 33'-1 1/2".
- 4. ELEVATIONS SHOWN THUS "(+12)" ARE TOP OF STEEL ELEVATION ABOVE ELEVATION NOTED IN PLAN NOTE 3.
- 5. SEE ARCHITECTURAL DRAWINGS FOR ROOF HATCH AND LOCATION. SEE DETAIL 2/S220 FOR ADDITIONAL INFORMATION.
- 6. MARKS THUS: " ——— I INDICATE BEAM SPLICE CONDITION. SEE DETAIL 3/S220 FOR ADDITIONAL INFORMATION.
- 7. MARKS THUS: " / INDICATE BEAM CONTINUOUS OVER COLUMN OR LOWER BEAM.
- 8. MARKS THUS: " _____XXk___T " INDICATE BEAM END REACTION IN KIPS AS A SERVICE LOAD.
- 10. REFER TO DETAILS 2/S220 FOR TYPICAL FRAMING AROUND ROOF OPENINGS AND REINFORCING OF FRAMING MEMBERS UNDER MECHANICAL ROOF CURBS. VERIFY ALL ROOF OPENING LOCATIONS AND SIZES AS WELL AS MECHANICAL EQUIPMENT SIZES, DIMENSIONS, AND LOCATIONS WITH MECHANICAL CONTRACTOR.

DOUBLE ANGLE CONNECTION SCHEDULE (UNMARKED)						
BEAM SIZE	PLATE LENGTH "L"	NUMBER OF BOLTS "n"				
W8, W10	5 1/2"	2				
W12, W14	8 1/2"					
W16, W18	11 1/2"	4				
W21	14 1/2"	5				
W24	17 1/2"	6				
W27	20 1/2"	7				

SCHEDULE NOTES (TYPICAL UNLESS NOTED OTHERWISE):

- 1. DETAIL APPLIES TO ALL SIMPLY SUPPORTED BEAMS UNLESS SPECIFIC DETAILS FOR AN ALTERNATE CONNECTION ARE PROVIDED.
- 2. FOR W8 AND W10 BEAMS, MAXIMUM TOP AND/OR BOTTOM COPES SHALL BE 1 1/2" TALL x 5" LONG. FOR ALL OTHER W SIZES, MAXIMUM TOP AND BOTTOM COPES SHALL BE 2" TALL x 5" LONG. STEEL FABRICATOR SHALL DESIGN CONNECTIONS FOR BEAMS W/ LARGER COPES.

SHEAR TAB CONNECTION SCHEDULE (UNMARKED)							
BEAM SIZE PLATE NUMBER LENGTH OF BOLTS "L" "n"							
W8, W10	5 1/2"	2					
W12, W14	8 1/2"	3					
W16, W18	11 1/2"	4					
W21	14 1/2"	5					
W24	17 1/2"	6					
W27	20 1/2"	7					

SCHEDULE NOTES (TYPICAL UNLESS NOTED OTHERWISE):

- 1. DETAIL APPLIES TO ALL SIMPLY SUPPORTED BEAMS UNLESS SPECIFIC DETAILS FOR AN ALTERNATE CONNECTION ARE PROVIDED.
- 2. FOR W8 AND W10 BEAMS, MAXIMUM TOP AND/OR BOTTOM COPES SHALL BE 1 1/2" TALL x 5" LONG. FOR ALL OTHER W SIZES, MAXIMUM TOP AND BOTTOM COPES SHALL BE 2" TALL x 5" LONG. STEEL FABRICATOR SHALL DESIGN CONNECTIONS FOR BEAMS w/ LARGER COPES. 3" = -11/2"

nsed Profession of the State of	nal Engine Maneota	r under the
CONST	RUC	rion
neth J. Creen Y Project Conta	#00000 ct: Ken Gro	00/00/0000 een
REV	ISIONS	
Description		Date
1		
	REV	nsed Profeseronal Engine of the State of Mariatian NSTRUC ONSTRUC NOTOJECT Contact: Ken Gro REVISIONS Description

וע 🖉 $\mathbf{\Sigma}$ \checkmark $\mathbf{\nabla}$ \mathcal{L} \Box - \frown \geq 400 P612

JUNG structural enginee k Business Center d Street, Suite 100 612-827-7825 voice 612-827-0805 fax I hearby certify that this plan, specification, or report was prepared by me or more my direct supervision and tharf am a duly Licensed Professional Engineer under the laws of the State of Markeota. NOTRUCTION Kenneth J Creen #00000 00/00/0000 MMC Project Contact: Ken Green REVISIONS No. Description Date _____

L_x_x_ CONTINUOUS - ROOF DECK, SEE PLAN TBE = SEE _____ — STEEL BEAM, SEE PLAN - COLD FORMED HEADER BY COLD FORMED STEEL SUPPLIER

	ABBREV	/IAT	IONS				ELECTRICAL		AL SYMBOLS		
0011				LIGHT FIXTURE	DESCRIPTION	MOUNTING	WIRING DEVICE	DESCRIPTION	MOUNTING	COMMUNICAT	TIONS DESCRIPTION
2S1W 2S2W 2SPW	TWO SPEED SINGLE WINDING TWO SPEED TWO WINDING TWO STEP PART WINDING	MAN MAX	MANUAL MAXIMUM		SURFACE FLUORESCENT.			RECEPTACLE OPTIONS DENOTED BY "X".	WHERE		INTERCOM – DESK
ወ	AND AT	MCU MCU MECH	MOTUR CONTROL CENTER MODULAR COOLING UNIT MECHANICAL		NORMAL POWER			"X" CAN BE ONE OF THE FOLLOWING:		⊲ ^w	INTERCOM - WALL
#	NUMBER	MEZZ MFR MH	MEZZANINE MANUFACTURER MANHOLE		EMERGENCY POWER			GFI = GROUND FAULT INTERRUPTER TR = TAMPER RESISTANT			TELEPHONE - DESK
A, AMP Arv	AMPERE	MIN MISC	MINIMUM MISCELLANEOUS		RECESSED FLUORESCENT, NORMAL POWER			SS = SURGE SUPPRESSOR WP = WEATHERPROOF (block) = STANDARD RECEPTACLE		■ ■ [₩]	TELEPHONE - WALL
AC AFF	ALTERNATING CURRENT ABOVE FINISHED FLOOR	MS MSS MSG	MOTOR STARTER MOTOR STARTER SWITCH MOTOR STARTER GROUP		RECESSED FLUORESCENT, EMERGENCY POWER			(DIGHR) - STANDARD RECEITAGE			VOICE/DATA OUTLET
AIC ALT ALUM	AMPERE INTERRUPTING CAPACITY ALTERNATE ALUMINUM	MSR MTD	MAIN SOUND RACK MOUNTED	⊦⊗	WALL MOUNTED EXIT SIGN, SHADING	96" AFF	$-\Theta \times$	SIMPLEX RECEPTACLE, NORMAL POWER	18" 18"		TECHNOLOGY OUTLET (REFER TO S
ANSI APROX	AMERICAN NAT'L STDS. INSTITUTE APPROXIMATE	MTR MT MTC	MOTOR EMPTY EMPTY CONDUIT		INDICATES THE ILLUMINATED FACES CEILING MOUNTED EXIT SIGN, SHADING	or 8" BFC		DUPLEX RECEPTACLE, UPS POWER	18"	НДр	BELL
ATS AUTO	ARCHITECT / ARCHITECTURAL AUTOMATIC TRANSFER SWITCH AUTOMATIC				INDICATES THE ILLUMINATED FACES	96" AFF	×	DUPLEX RECEPTACLE, EMERGENCY POWEF	? 18 "	H_1/	BUZZER
AUX AWG	AUXILIARY AMERICAN WIRE GAUGE	N, NEUT NA N.C.	NEUTRAL NOT APPLICABLE NORMALLY CLOSED		BATTERY PACK, NORMAL POWER	or 8"BFC 96" AFF		FOURPLEX RECEPTACLE	18"	H H H	CHIME
BFC BLDG BO	BELOW FINISHED CEILING BUILDING BY OTHERS	NEC NF NIC	NATIONAL ELECTRICAL CODE NON FUSED NOT IN CONTRACT		POLE, BASE AND FIXTURE(S). CIRCLES	or 8″ BFC	•	FLOOR OUTLET BOX, POWER, VOICE AND/OR DATA		H™ ⊔ ⊔ ⊓ ^M	TELEVISION RECEIVER
BRKR BSMT BTWN	BREAKER BASEMENT BETWEEN	NO NORM N.O.	NUMBER NORMAL NORMALLY OPEN		NORMAL POWER		⊢10-30R	SPECIAL PURPOSE RECEPTACLE,	18"		LINE LEVEL OUTLET
C C	DEGREE CELSIUS CONDUIT	OC	ON CENTER		POLE, BASE AND FIXTURE(S). CIRCLES INDICATE # OF HEADS PER POLE, EMERGENCY POWER	i		WITH NEMA CONFIGURATION NOTED			VOLUME CONTROL. ZONE
CAB CB CBAS	CABINET CIRCUIT BREAKER COMPUTERIZED BUILDING	OD OH	OUTSIDE DIAMETER OVERHEAD	Ю	WALL MOUNTED FIXTURE AND BRACKET,		<u>PS-A</u>	FOR TYPE AND RECEPTACLE SPACING			NUMBER INDICATED
	AUTOMATION SYSTEM	Ø	PHASE POLF		NORMAL POWER WALL MOUNTED FIXTURE AND BRACKET,			DISCONNECT SWITCH, NON-FUSED			PROJECTOR OUTLET
CLG CDL	CEOSED CIRCUIT TELEVISION CEILING COLUMN	PF PIV	POWER FACTOR POST INDICATOR VALVE		EMERGENCY POWER		F	DISCONNECT SWITCH, FUSED			EFFECTS SPEAKER OUTLET
	COMBINATION COMMUNICATION CONCRETE	PL PNL PRI	PILOT LIGHT PANEL PRIMARY		STRIP FIXTURE, EMERGENCY POWER		MS ဟြ	MOTOR STARTER SWITCH WITHOUT OVERLOAD PROTECTION	54"		REMOTE CONTROL
CONC CONN CONST	CONNECTED / CONNECTION CONSTRUCTION	PT PVC	POTENTIAL TRANSFORMER POLYVINYL CHLORIDE		SURFACE MOUNTED DOWNLIGHT,		MSS မြ	MOTOR STARTER SWITCH WITH OVERLOAD PROTECTION	54"		MONITOR SPEAKER OUTLET
COORD CORR CT	COORDINATE CORRIDOR CURRENT TRANSFORMER	PWR PDU	POWER POWER DISTRIBUTION UNIT		NORMAL POWER SURFACE MOUNTED DOWNLIGHT,		EF-1	MAGNETIC MOTOR STARTER WITH EQUIPMENT NUMBER INDICATED			SOUND REINFORCEMENT OUTLET
CTB CTC CUH	COMMUNICATION TERMINAL BOARD COMMUNICATION TERMINAL CAB CABINET UNIT HEATER	REC RECEPT	RECESSED RECEPTACLE	\circ	EMERGENCY POWER RECESSED DOWNLIGHT, NORMAL POWER		EF-1	COMBINATION MOTOR STARTER AND FUSED DISCONNECT WITH EQUIPMENT			TYPE AND ZONE NUMBER INDICATE (REFER TO SPECIFICATION FOR TYPE)
D DC DEPT	DEPTH / DEEP DIRECT CURRENT DEPARTMENT	REF REFR REQD RM	REFERENCE REFRIGERATOR REQUIRED ROOM		RECESSED DOWNLIGHT, EMERGENCY POWER		AHU	NUMBER INDICATED EQUIPMENT TAG (REFER TO EQUIPMENT		⊦©^'	SPEAKER, WALL MOUNTED WITH TYPE AND ZONE NUMBER INDICATE (REFER TO SPECIFICATION FOR TYI
DIA DIM DISC DIST	DIAMETER DIMENSION DISCONNECT DISTRIBUTION	RTC	RETURN TO CENTER	-0	RECESSED WALL WASHER, NORMAL POWER			208/120 VOLT PANELBOARD			SPEAKER RE-ENTRANT HORN WITH ZONE NUMBER INDICATED
DIV DN	DIVISION DOWN	SEC SCHED	SECONDARY SCHEDULE	-@	RECESSED WALL WASHER,			480/277 VOLT PANELBOARD			
DP DWG	DATA PROCESSING DRAWING	SECT SHT SURF	SECTION SHEET SURFACE		TRACK FIXTURES AND TRACK			TERMINAL CABINET			
EA ELEC	EACH ELECTRICAL	SPC SPEC SPI	SPACE SPECIFICATION SPECIAL		ASSEMBLY, NORMAL POWER TRACK FIXTURES AND TRACK			ANNUNCIATOR PANEL		FIRE ALARM	DESCRIPTION
EMERG EQ FOLUP	EMERGENCY EQUAL FOUIDMENT	SPR SQ	SPARE SQUARE		ASSEMBLY, EMERGENCY POWER					FX	FIRE ALARM DEVICE, WHERE "X" CAN E
EWC EXIST	ELECTRIC WATER COOLER EXISTING	STD STRUCT SW	STANDARD STRUCTURAL SWITCH	الم ^x	SWITCH, WHERE "X" CAN BE ONE OF THE FOLLOWING:	46"			MOUNTING	-	(blank) FIRE ALARM MANUAL PULL ST
EXP EXT	EXPANSION EXTERIOR	SWBD SWGR	SWITCHBOARD SWITCHGEAR		2 = DOUBLE POLE 3 = THREE WAY				Weenthice	1	K FIRE ALARM MANUAL KEYED S I IONIZATION DETECTOR
F FAAP	DEGREE FAHRENHEIT FIRE ALARM ANNUNCIATOR PANEL	TEL	TELEPHONE		4 = FOUR WAY K = KEYED LV = LOW VOLTAGE			JUNCTION BOX, RECESSED WALL JUNCTION BOX. RECESSED CEILING			P PHOTOELECTRIC SMOKE DETEC DS DUCT SMOKE DETECTOR
FACP FIN	FIRE ALARM CONTROL PANEL	TEMP TYP TERM	TEMPERATURE TYPICAL TERMINAL / TERMINATE		MC = MOMENTARY WITH RTC OS = OCCUPANCY SENSOR (blank) = SINCLE POLE			CLOCK WALL MOUNTED	96" or		FL SPRINKLER VALVE FLOW SWITC B-T BEAM DETECTOR, TRANSMITTEI B-R BEAM DETECTOR RECEIVER
FL FL FLEX	FLOOR FLOOR FLEXIBLE	TR TV	TAMPER RESISTANT TELEVISION		(DIGINK) - SINGLE FOLE			CLOCK, WALL MOUNTED	8"BFC		RB ROTATING BEACON MM MONITOR MODULE
FLUOR FUT FVNP	FLUORESCENT FUTURE FUTURE	TVSS	TRANSIENT VOLTAGE SURGE SUPRESSOR	600w НD	DIMMER SWITCH, OPERATING	46"	©	CLOCK, CEILING MOUNTED	F 0."		CM CONTROL MODULE D MAGNETIC DOOR HOLDER MR SHUTTER/ROLLING DOOR RELE
FVR	FULL VOLTAGE REVERSING	UF UG UH	UNDERFLOOR UNDERGROUND UNIT HEATER	 (∕)•	SWITCH WITH PILOT LIGHT	46"			20		TS DUCT DETECTOR REMOTE TEST VDT VIDEO DISPLAY TERMINAL & K
GA GALV GEN	GAUGE GALVANIZED GENERATOR	UPS	UNINTERRUPTABLE POWER SUPPLY		OCCUPANCY SENSOR WHERE Q6" C	NR 6" BELOW		HANDICAP OPERATOR PUSHBUTTON	40 30"		PR SISIEM EVENT PRINTER
GFI GFR GND	GROUND FAULT INTERRUPTER GROUND FAULT RELAY GROUND	V VA	VOLTS VOLT AMPERE	Hozi lozi	"Y" IS THE RATED AREA OF FINISHEI COVERAGE AND "X" IS ONE OF EV	CLG WHICH			40"		FIRE ALARM HORN
GWA	GENERAL WORK AREA	VDT VERT	VIDEO DISPLAY TERMINAL VERTICAL VARIARI E SREED DRIVE		DT = DUAL TECHNOLOGY			TIME CLOCK	40	s HE⊲	FIRE ALARM SPEAKER
н	HIGH / HEIGHT	W	WATTS		US = ULTRASONIC PIR = PASSIVE INFRARED						FINIS
HOA HORIZ	HAND OFF AUTOMATIC HORIZONTAL	W/ W/O WP	WITH WITHOUT WEATHERPROOF	Eq.	DAYLIGHT SENSOR, WHERE "X" IS THE TYPE OF SENSOR	CLG.					FIRE ALARM STROBE FINIS
HTG HTR	HEATING HEATER	VVF	WEATHERFROOF	^			SECURITY	DESCRIPTION	MOUNTING		FIRE ALARM HORN WITH
HZ	HERTZ	XFMR XP	TRANSFORMER EXPLOSION PROOF	DESIGN PRESENTA			S × SE	ECURITY DEVICE, WHERE "X" CAN BE			STROBE FINIS
ID IG INC	INSIDE DIAMETER ISOLATED GROUND INCANDESCENT	YDS	WYE-DELTA START					DPS = DOOR POSITION SWITCH		P MH HFI⊄	FIRE ALARM MINI-HORN WITH STROBE FINISI
KO					ON THE SAME PLAN	-5		DC = MAGNETIC DOOR CONTACTS ODC = MAGNETIC OVERHEAD DOOR CONT KS = KEEPER SWITCH	ACTS	ር የ የ	
KVA KW	KILOVOLT AMPERES KILOWATTS				FEEDER NOTE, REFER TO FEEDER SCHED ON THE SAME PLAN	ULE		GB = GLASS BREAK DETECTOR MD = MOTION DETECTOR			STROBE FINIS
	LIGHTING CONTROL CABINET				DRAWING REVISION NOTE			EL = ELECTRIC LOCK ES = ELECTRIC STRIKE ML = ELECTROMAGNETIC LOCK		F	FIREFIGHTER PHONE
	LIGHTING CONTROL PANEL				CONCEALED RACEWAY			PH = POWER TRANSFER HINGE GT = GUARD TOUR STATION XS = FXIT SENSOR	46"	HFD	FIRE ALARM BELL
LI/LTG	LIGH I / LIGH IING				RACEWAY INSTALLED BELOW FINISHED GRADE/UNDER SLAB			EP = EXIT PUSHBUTTON EC = EMERGENCY CALL PUSHBUTTON	46" 46"		
					EXPOSED RACEWAY			CK = CARD READER KP = KEYPAD CRK = CARD READER WITH KEYPAD	46" 46" 46"	HĒH ◇	FIRE ALARM CHIME
					RACEWAY UP		(ni	LA = LOCAL ALARM umber) = REFER TO SCHEDULE IN THE			FIRE ALARM CHIME WITH STROBE FINI
					CONDUIT STUB BUSHED AND CAPPED			DEVICES TO BE INCLUDED		 דרים	SPRINKLER VALVE POSITION
					UNDERFLOOR DUCT. POWER AND			CCTV SECURITY CAMERA, REFER TO			SWIICH
					COMMUNICATIONS RACEWAYS			SPECIFICATIONS FOR SCHEDULE			



LOWER LEVEL ELECTRICAL DEMOLITION PLAN 1/4" = 1'-0" 1

GENERAL NOTES

- A. REFER TO THE ARCHITECTURAL SPECIFICATIONS DIVISION 0 AND DIVISION 1 FOR SCHEDULING REQUIREMENTS. MAINTAIN SERVICES TO OCCUPIED AREAS OF THE BUILDING DURING CONSTRUCTION. PROVIDE TEMPORARY SERVICES AS REQUIRED.
- B. EXISTING DEVICES NOT SHOWN ON THIS PLAN ARE TO REMIAN. MAINTAIN CIRCUIT CONTINUITY.
- C. DEMOLISH ALL ELECTRICAL ITEMS SCHEDULED FOR DEMOLITION COMPLETE. DO NOT ABANDON CONDUIT, WIRE, HANGERS, ETC. IN PLACE. WHERE EXISTING BRANCH CIRCUITS ARE INTERCEPTED MAINTAIN POWER TO ALL ACTIVE DEVICES THAT REMAIN.
- D. PROVIDE BLANK COVERPLATE FOR ALL UNUSED DEVICE BOXES.
- E. REPLACE ALL LAY-IN CEILING TILES DAMAGED AS A RESULT OF THE ELECTRICAL WORK, UNLESS NOTED OTHERWISE.
- F. PROVIDE NEW SUPPORT FOR ANY LOW VOLTAGE CABLES ABOVE EXISTING CEILINGS THAT ARE PRESENTLY SUPPORTED BY WALLS AND CEILINGS SLATED FOR DEMOLITION. PROVIDE NEW INDEPENDENT SUPPORTING OF THESE CABLES FROM STRUCTURE (SUPPORT FOR THESE CABLES IS NOT TO BE SUPPORTED FROM CEILING SUPPORT CABLES). THE REQUIREMENTS INCLUDE PROVIDING NEW INDEPENDENT SUPPORTS OF CONDUIT STUBS AND CABLE TRAY PRESENTLY ROUTED THROUGH WALLS SLATED FOR DEMOLITION.
- G. REMOVE AND REINSTALL CEILINGS AS NEEDED FOR ELECTRICAL DEMOLITION, NEW ELECTRICAL WORK AND MODIFICATIONS TO EXISTING ELECTRICAL WORK UNLESS NOTED OTHERWISE.
- H. THE DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ANY DEFICIENCIES AND/OR IMPERFECTIONS ON ANY DEVICE SCHEDULED TO BE REMOVED AND REINSTALLED PRIOR TO COMMENCING DEMOTION WORK. REPORT DEFICIENCIES TO ARCHITECT/OWNER.
- I. SEAL ALL HOLES LEFT IN SMOKE OR FIRE RATED WALLS, FLOORS, OR CEILINGS COMPLETELY WITH U.L. LISTED INTUMESCENT TYPE FIRE BARRIERS.
- J. PATCH AND PAINT ALL WALL, FLOOR, AND CEILING SURFACES DAMAGED AS A RESULT OF THE ELECTRICAL WORK TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE.

KEY NOTES

- DEMOLISH EXISTING ELECTRICAL PANELS AND RELATED EQUIPMENT ON THIS WALL. DISCONNECT EXISTING BRANCH CIRCUIT FEEDER WIRES FROM EXISTING ELECTRICAL PANELS AND SALVAGE FOR EXTENSION TO NEW ELECTRICAL PANELS. ALL ACTIVE BRANCH CIRCUITS IN THESE PANELS ARE TO BE EXTENDED TO NEW ELECTRICAL PANELS.
- 2 DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES AND LIGHTING CONTROL SWITCHES COMPLETE IN THIS AREA/ROOM UNLESS NOTED OTHERWISE. GIVE OWNER THE OPTION TO KEEP LIGHTING, IF OWNER DECLINES, DEMOLISH COMPLETE. MAINTAIN LIGHTING CIRCUIT HOMERUN FOR CONNECTION TO NEW LIGHTING. REFER TO SHEETS E101 AND E201 FOR NEW LIGHTING AND POWER REQUIREMENTS.
- 3 DEMOLISH ELECTRICAL CONNECTIONS TO EXISTING WATER HEATER COMPLETE. DEMOLISH EXISTING WIRING, CIRCUITING, CONDUIT, ETC. COMPLETE BACK TO SOURCE.
- DISCONNECT EXISTING ELECTRICAL CONNECTIONS TO EXISTING BOILER COMPLETE. MAINTAIN EXISTING EXISTING WIRING, CIRCUITING, CONDUIT, ETC. DURING DEMOLITION AND EXTEND TO NEW LOCATION INDICATED ON POWER PLAN.
- 5 NO ELECTRICAL WORK WITHIN THIS AREA UNLESS NOTED OTHERWISE.



_				
	REVISIONS			
No.	Description	Date		
1	1			



CHARLES THOMPSON MEMORIAL HALL	Rehabilitation, HVAC Upgrade, and Addition	1824 Marshall Avenue, Saint Paul, MN 55104	DRAWN BY DJQ CHECKED BY PJF	DATE 11/XX/20 REVISIONS	
LOWER LEVEL ELECTRICAL DEMOLITION PLAN					
E	EC)() 1		



FIRST FLOOR ELECTRICAL DEMOLITION PLAN 1



- LIGHT POSTS TO BE REMOVED AND SALVAGED FOR RE-INSTALLATION. MAINTAIN EXISTING CONDUIT AND FEEDER WIRES. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT PRIOR TO BID.
- DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES AND LIGHTING CONTROL SWITCHES COMPLETE IN THIS AREA/ROOM UNLESS NOTED OTHERWISE. GIVE OWNER THE OPTION TO KEEP LIGHTING, IF OWNER DECLINES, DEMOLISH COMPLETE. MAINTAIN LIGHTING CIRCUIT HOMERUN FOR CONNECTION TO NEW LIGHTING. REFER TO SHEETS E111 AND E211 FOR NEW LIGHTING AND POWER REQUIREMENTS..
- $\overbrace{3}$ DEMOLISH EXISTING ELECTRICAL CONNECTIONS, WIRING CONDUIT, ETC., COMPLETE BACK TO SOURCE FOR EXISTING KITCHEN APPLIANCES.
- 4 NO ELECTRICAL WORK WITHIN THIS AREA UNLESS NOTED OTHERWISE.



FIRST FLOOR ELECTRICAL DEMOLITION PLAN

E011





KEY NOTES

DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES AND LIGHTING CONTROL SWITCHES COMPLETE IN THIS AREA/ROOM UNLESS NOTED OTHERWISE. GIVE OWNER THE OPTION TO KEEP LIGHTING, IF OWNER DECLINES, DEMOLISH COMPLETE. MAINTAIN LIGHTING CIRCUIT HOMERUN FOR CONNECTION TO NEW LIGHTING. REFER TO SHEET E121 FOR NEW LIGHTING LAYOUT.

 $\langle 2 \rangle$ no electrical work within this area unless noted otherwise.



60%

SUBMITTAL

01-25-2021





1 THIRD FLOOR ELECTRICAL DEMOLITION PLAN

KEY NOTES

 $\sqrt{1}$ NO ELECTRICAL WORK WITHIN THIS AREA UNLESS NOTED OTHERWISE.





1 ROOF LEVEL ELECTRICAL DEMOLITION PLAN







LOWER LEVEL LIGHTING PLAN) 1/4" = 1'-0"



GENERAL NOTES

- A. REFER TO THE ARCHITECTURAL SPECIFICATIONS DIVISION 0 AND DIVISION 1 FOR SCHEDULING REQUIREMENTS. MAINTAIN SERVICES TO OCCUPIED AREAS OF THE BUILDING DURING CONSTRUCTION. PROVIDE TEMPORARY SERVICES AS REQUIRED.
- B. EXISTING DEVICES NOT SHOWN ON THIS PLAN ARE TO REMIAN. MAINTAIN CIRCUIT CONTINUITY.
- C. DEMOLISH ALL ELECTRICAL ITEMS SCHEDULED FOR DEMOLITION COMPLETE. DO NOT ABANDON CONDUIT, WIRE, HANGERS, ETC. IN PLACE. WHERE EXISTING BRANCH CIRCUITS ARE INTERCEPTED MAINTAIN POWER TO ALL ACTIVE DEVICES THAT REMAIN.
- D. PROVIDE BLANK COVERPLATE FOR ALL UNUSED DEVICE BOXES.
- E. REPLACE ALL LAY-IN CEILING TILES DAMAGED AS A RESULT OF THE ELECTRICAL WORK, UNLESS NOTED OTHERWISE.
- F. PROVIDE NEW SUPPORT FOR ANY LOW VOLTAGE CABLES ABOVE EXISTING CEILINGS THAT ARE PRESENTLY SUPPORTED BY WALLS AND CEILINGS SLATED FOR DEMOLITION. PROVIDE NEW INDEPENDENT SUPPORTING OF THESE CABLES FROM STRUCTURE (SUPPORT FOR THESE CABLES IS NOT TO BE SUPPORTED FROM CEILING SUPPORT CABLES). THE REQUIREMENTS INCLUDE PROVIDING NEW INDEPENDENT SUPPORTS OF CONDUIT STUBS AND CABLE TRAY PRESENTLY ROUTED THROUGH WALLS SLATED FOR DEMOLITION.
- G. REMOVE AND REINSTALL CEILINGS AS NEEDED FOR ELECTRICAL DEMOLITION, NEW ELECTRICAL WORK AND MODIFICATIONS TO EXISTING ELECTRICAL WORK UNLESS NOTED OTHERWISE.
- H. THE DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ANY DEFICIENCIES AND/OR IMPERFECTIONS ON ANY DEVICE SCHEDULED TO BE REMOVED AND REINSTALLED PRIOR TO COMMENCING DEMOTION WORK. REPORT DEFICIENCIES TO ARCHITECT/OWNER.
- I. SEAL ALL HOLES LEFT IN SMOKE OR FIRE RATED WALLS, FLOORS, OR CEILINGS COMPLETELY WITH U.L. LISTED INTUMESCENT TYPE FIRE BARRIERS.
- J. PATCH AND PAINT ALL WALL, FLOOR, AND CEILING SURFACES DAMAGED AS A RESULT OF THE ELECTRICAL WORK TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE.

KEY NOTES

- (1) LOCATION OF EXISTING ELECTRICAL PANELS AND RELATED EQUIPMENT BEING DEMOLISHED. INTERCEPT EXISTING ACTIVE BRANCH CIRCUITS AND EXTEND THEM TO NEW ELECTRICAL PANELS 'A' AND 'B' IN BOILER ROOM. MATCH EXISTING CONDUIT AND WIRE SIZES.
- $\langle 2 \rangle$ LOCATION OF NEW ELECTRICAL EQUIPMENT.
- 3 PROVIDE NEW RESTROOM LIGHTING AS INDICATED. INTERCEPT EXISTING CONDUIT AND RESTROOM LIGHTING CIRCUITRY AND EXTEND TO NEW LIGHT FIXTURES. LIGHT FIXTURES TO BE CONTROLLED BY OCCUPANCY SENSOR. REFER TO LIGHT FIXTURE SCHEDULE THIS SHEET FOR LIGHT FIXTURE INFORMATION.
- TENANT'S E.C. TO PROVIDE CEILING MOUNTED 360° DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER: DT-305. PROVIDE BZ-200 POWER PACK(S), AND ADDITIONAL WIRING AS REQUIRED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES.
- $\overbrace{5}$ EXIT SIGNS, EMERGENCY AND NIGHT LIGHTING (NL) CIRCUITS ARE TO BE WIRED AHEAD OF ALL SWITCHING AND CONTACTORS.
- 6 PROVIDE NEW LIGHTING AS INDICATED. CIRCUIT TO NEW ELECTRICAL PANEL AS INDICATED. LIGHT FIXTURES TO BE CONTROLLED BY OCCUPANCY SENSOR. REFER TO LIGHT FIXTURE SCHEDULE THIS SHEET FOR LIGHT FIXTURE INFORMATION.
- $\langle 7 \rangle$ NO ELECTRICAL WORK WITHIN THIS AREA UNLESS NOTED OTHERWISE.

LIGHT FIXTURE SCHEDULE

MOUNTING	LAMP TYPE	VOLTAGE/ BALLAST	FIXTURE DESCRIPTION	MANUFACTURER/ CATALOG SERIES	NOTES
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
	MOUNTING	MOUNTING LAMP TYPE - - - - - - - - - - - - - - - - - - - - - - - - - -	MOUNTINGLAMP TYPEVOLTAGE/ BALLAST	MOUNTINGLAMP TYPEVOLTAGE/ BALLASTFIXTURE DESCRIPTION	MOUNTINGLAMP TYPEVOLTAGE/ BALLASTFIXTURE DESCRIPTIONMANUFACTURER/ CATALOG SERIES

60% SUBMITTAL 01-25-2021

HALLBERG ENGINEERING Mechanical/Electrical Consulting Engineers 1750 Commerce Court White Bear Lake, MN 55110 (651) 748−1100 + Fax (651) 748−9370

PROJECT NO.: R20-3835.002

I HEREBY CERTIFY THAT THIS PLAN. SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINTED NAME: Paul J. Fettinger

SIGNATURE:

REVISIONS

N MEMORIAL HALL Upgrade, and Addition U, MN 55104 Ω $\overline{}$ ٨P CHARLES THOM Rehabilitation, HV 1824 Marshall Avenue, DRAWN BY DJQ CHEC DATE 11/XX/20 LOWER LEVEL LIGHTING PLAN

E101



FIRST FLOOR LIGHTING PLAN 1

GENERAL NOTES

- A. REFER TO THE ARCHITECTURAL SPECIFICATIONS DIVISION 0 AND DIVISION 1 FOR SCHEDULING REQUIREMENTS. MAINTAIN SERVICES TO OCCUPIED AREAS OF THE BUILDING DURING CONSTRUCTION. PROVIDE TEMPORARY SERVICES AS REQUIRED.
- B. EXISTING DEVICES NOT SHOWN ON THIS PLAN ARE TO REMIAN. MAINTAIN CIRCUIT CONTINUITY.
- C. DEMOLISH ALL ELECTRICAL ITEMS SCHEDULED FOR DEMOLITION COMPLETE. DO NOT ABANDON CONDUIT, WIRE, HANGERS, ETC. IN PLACE. WHERE EXISTING BRANCH CIRCUITS ARE INTERCEPTED MAINTAIN POWER TO ALL ACTIVE DEVICES THAT REMAIN.
- D. PROVIDE BLANK COVERPLATE FOR ALL UNUSED DEVICE BOXES.
- E. REPLACE ALL LAY-IN CEILING TILES DAMAGED AS A RESULT OF THE ELECTRICAL WORK, UNLESS NOTED OTHERWISE.
- F. PROVIDE NEW SUPPORT FOR ANY LOW VOLTAGE CABLES ABOVE EXISTING CEILINGS THAT ARE PRESENTLY SUPPORTED BY WALLS AND CEILINGS SLATED FOR DEMOLITION. PROVIDE NEW INDEPENDENT SUPPORTING OF THESE CABLES FROM STRUCTURE (SUPPORT FOR THESE CABLES IS NOT TO BE SUPPORTED FROM CEILING SUPPORT CABLES). THE REQUIREMENTS INCLUDE PROVIDING NEW INDEPENDENT SUPPORTS OF CONDUIT STUBS AND CABLE TRAY PRESENTLY ROUTED THROUGH WALLS SLATED FOR DEMOLITION.
- G. REMOVE AND REINSTALL CEILINGS AS NEEDED FOR ELECTRICAL DEMOLITION, NEW ELECTRICAL WORK AND MODIFICATIONS TO EXISTING ELECTRICAL WORK UNLESS NOTED OTHERWISE.
- H. THE DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ANY DEFICIENCIES AND/OR IMPERFECTIONS ON ANY DEVICE SCHEDULED TO BE REMOVED AND REINSTALLED PRIOR TO COMMENCING DEMOTION WORK. REPORT DEFICIENCIES TO ARCHITECT/OWNER.
- I. SEAL ALL HOLES LEFT IN SMOKE OR FIRE RATED WALLS, FLOORS, OR CEILINGS COMPLETELY WITH U.L. LISTED INTUMESCENT TYPE FIRE BARRIERS.
- J. PATCH AND PAINT ALL WALL, FLOOR, AND CEILING SURFACES DAMAGED AS A RESULT OF THE ELECTRICAL WORK TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE.

KEY NOTES

- $\langle 1 \rangle$ no electrical work within this area unless noted otherwise.
- 2 PROVIDE WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER: DW-100-24. IN RESTROOMS, OCCUPANCY SENSOR SHALL CONTROL FAN AND LIGHT. PROVIDE BZ-50 POWER PACKS, AND ADDITIONAL WIRING AS REQUIRED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES.
- TENANT'S E.C. TO PROVIDE CEILING MOUNTED 360° DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER: DT-305. PROVIDE BZ-200 POWER PACK(S), AND ADDITIONAL WIRING AS REQUIRED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES.
- EXIT SIGNS, EMERGENCY AND NIGHT LIGHTING (NL) CIRCUITS ARE TO BE WIRED AHEAD OF ALL SWITCHING AND CONTACTORS.
- 5 PROVIDE NEW LIGHTING AS INDICATED. CIRCUIT TO NEW ELECTRICAL PANEL AS INDICATED. LIGHT FIXTURES TO BE CONTROLLED BY OCCUPANCY SENSOR. REFER TO LIGHT FIXTURE SCHEDULE THIS SHEET FOR LIGHT FIXTURE INFORMATION.

60% SUBMITTAL 01-25-2021

HALLBERG ENGINEERING Mechanical/Electrical Consulting Engineers 1750 Commerce Court White Bear Lake, MN 55110 (651) 748−1100 + Fax (651) 748−9370 PROJECT NO.: R20-3835.002

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: Paul J. Fettinger

SIGNATURE:

REVISION



B = Charles thompson memorial hall	≣ ⅔ Rehabilitation, HVAC Upgrade, and Addition	ố 전 1824 Marshall Avenue, Saint Paul, MN 55104	P A DRAWN BY DJQ CHECKED BY PJF	Z D DATE 11/XX/20 REVISIONS
LIG	HTI	√G	PLA	N
Ε	1	1		





GENERAL NOTES

- A. REFER TO THE ARCHITECTURAL SPECIFICATIONS DIVISION 0 AND DIVISION 1 FOR SCHEDULING REQUIREMENTS. MAINTAIN SERVICES TO OCCUPIED AREAS OF THE BUILDING DURING CONSTRUCTION. PROVIDE TEMPORARY SERVICES AS REQUIRED.
- B. EXISTING DEVICES NOT SHOWN ON THIS PLAN ARE TO REMIAN. MAINTAIN CIRCUIT CONTINUITY.
- C. DEMOLISH ALL ELECTRICAL ITEMS SCHEDULED FOR DEMOLITION COMPLETE. DO NOT ABANDON CONDUIT, WIRE, HANGERS, ETC. IN PLACE. WHERE EXISTING BRANCH CIRCUITS ARE INTERCEPTED MAINTAIN POWER TO ALL ACTIVE DEVICES THAT REMAIN.
- D. PROVIDE BLANK COVERPLATE FOR ALL UNUSED DEVICE BOXES.
- E. REPLACE ALL LAY-IN CEILING TILES DAMAGED AS A RESULT OF THE ELECTRICAL WORK, UNLESS NOTED OTHERWISE.
- F. PROVIDE NEW SUPPORT FOR ANY LOW VOLTAGE CABLES ABOVE EXISTING CEILINGS THAT ARE PRESENTLY SUPPORTED BY WALLS AND CEILINGS SLATED FOR DEMOLITION. PROVIDE NEW INDEPENDENT SUPPORTING OF THESE CABLES FROM STRUCTURE (SUPPORT FOR THESE CABLES IS NOT TO BE SUPPORTED FROM CEILING SUPPORT CABLES). THE REQUIREMENTS INCLUDE PROVIDING NEW INDEPENDENT SUPPORTS OF CONDUIT STUBS AND CABLE TRAY PRESENTLY ROUTED THROUGH WALLS SLATED FOR DEMOLITION.
- G. REMOVE AND REINSTALL CEILINGS AS NEEDED FOR ELECTRICAL DEMOLITION, NEW ELECTRICAL WORK AND MODIFICATIONS TO EXISTING ELECTRICAL WORK UNLESS NOTED OTHERWISE.
- H. THE DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ANY DEFICIENCIES AND/OR IMPERFECTIONS ON ANY DEVICE SCHEDULED TO BE REMOVED AND REINSTALLED PRIOR TO COMMENCING DEMOTION WORK. REPORT DEFICIENCIES TO ARCHITECT/OWNER.
- I. SEAL ALL HOLES LEFT IN SMOKE OR FIRE RATED WALLS, FLOORS, OR CEILINGS COMPLETELY WITH U.L. LISTED INTUMESCENT TYPE FIRE BARRIERS.
- J. PATCH AND PAINT ALL WALL, FLOOR, AND CEILING SURFACES DAMAGED AS A RESULT OF THE ELECTRICAL WORK TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE.

KEY NOTES

- $\langle 1 \rangle$ no electrical work within this area unless noted otherwise.
- 2 PROVIDE WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER: DW-100-24. IN RESTROOMS, OCCUPANCY SENSOR SHALL CONTROL FAN AND LIGHT. PROVIDE BZ-50 POWER PACKS, AND ADDITIONAL WIRING AS REQUIRED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES.
- TENANT'S E.C. TO PROVIDE CEILING MOUNTED 360° DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER: DT-305. PROVIDE BZ-200 POWER PACK(S), AND ADDITIONAL WIRING AS REQUIRED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES.
- $\overleftrightarrow{4}$ EXIT SIGNS, EMERGENCY AND NIGHT LIGHTING (NL) CIRCUITS ARE TO BE WIRED AHEAD OF ALL SWITCHING AND CONTACTORS.
- 5 PROVIDE NEW LIGHTING AS INDICATED. CIRCUIT TO NEW ELECTRICAL PANEL AS INDICATED. LIGHT FIXTURES TO BE CONTROLLED BY OCCUPANCY SENSOR. REFER TO LIGHT FIXTURE SCHEDULE THIS SHEET FOR LIGHT FIXTURE INFORMATION.
- 6 PROVIDE COMPATIBLE 0-10V DIMMING SWITCHES FOR DIMMING CONTROL OF LOCAL LIGHTING.





I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA MINNESOTA. PRINTED NAME: Paul J. Fettinger

	REVISIONS			
No.	Description	Date		





THIRD FLOOR LIGHTING PLAN 1

GENERAL NOTES

- A. REFER TO THE ARCHITECTURAL SPECIFICATIONS DIVISION 0 AND DIVISION 1 FOR SCHEDULING REQUIREMENTS. MAINTAIN SERVICES TO OCCUPIED AREAS OF THE BUILDING DURING CONSTRUCTION. PROVIDE TEMPORARY SERVICES AS REQUIRED.
- B. EXISTING DEVICES NOT SHOWN ON THIS PLAN ARE TO REMIAN. MAINTAIN CIRCUIT CONTINUITY.
- C. DEMOLISH ALL ELECTRICAL ITEMS SCHEDULED FOR DEMOLITION COMPLETE. DO NOT ABANDON CONDUIT, WIRE, HANGERS, ETC. IN PLACE. WHERE EXISTING BRANCH CIRCUITS ARE INTERCEPTED MAINTAIN POWER TO ALL ACTIVE DEVICES THAT REMAIN.
- D. PROVIDE BLANK COVERPLATE FOR ALL UNUSED DEVICE BOXES.
- E. REPLACE ALL LAY-IN CEILING TILES DAMAGED AS A RESULT OF THE ELECTRICAL WORK, UNLESS NOTED OTHERWISE.
- F. PROVIDE NEW SUPPORT FOR ANY LOW VOLTAGE CABLES ABOVE EXISTING CEILINGS THAT ARE PRESENTLY SUPPORTED BY WALLS AND CEILINGS SLATED FOR DEMOLITION. PROVIDE NEW INDEPENDENT SUPPORTING OF THESE CABLES FROM STRUCTURE (SUPPORT FOR THESE CABLES IS NOT TO BE SUPPORTED FROM CEILING SUPPORT CABLES). THE REQUIREMENTS INCLUDE PROVIDING NEW INDEPENDENT SUPPORTS OF CONDUIT STUBS AND CABLE TRAY PRESENTLY ROUTED THROUGH WALLS SLATED FOR DEMOLITION.
- G. REMOVE AND REINSTALL CEILINGS AS NEEDED FOR ELECTRICAL DEMOLITION, NEW ELECTRICAL WORK AND MODIFICATIONS TO EXISTING ELECTRICAL WORK UNLESS NOTED OTHERWISE.
- H. THE DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ANY DEFICIENCIES AND/OR IMPERFECTIONS ON ANY DEVICE SCHEDULED TO BE REMOVED AND REINSTALLED PRIOR TO COMMENCING DEMOTION WORK. REPORT DEFICIENCIES TO ARCHITECT/OWNER.
- I. SEAL ALL HOLES LEFT IN SMOKE OR FIRE RATED WALLS, FLOORS, OR CEILINGS COMPLETELY WITH U.L. LISTED INTUMESCENT TYPE FIRE BARRIERS.
- J. PATCH AND PAINT ALL WALL, FLOOR, AND CEILING SURFACES DAMAGED AS A RESULT OF THE ELECTRICAL WORK TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE.

KEY NOTES

- $\langle 1 \rangle$ no electrical work within this area unless noted otherwise.
- 2 PROVIDE WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER: DW-100-24. IN RESTROOMS, OCCUPANCY SENSOR SHALL CONTROL FAN AND LIGHT. PROVIDE BZ-50 POWER PACKS, AND ADDITIONAL WIRING AS REQUIRED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES.
- 3 TENANT'S E.C. TO PROVIDE CEILING MOUNTED 360° DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER: DT-305. PROVIDE BZ-200 POWER PACK(S), AND ADDITIONAL WIRING AS REQUIRED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES.
- $\overleftrightarrow{4}$ EXIT SIGNS, EMERGENCY AND NIGHT LIGHTING (NL) CIRCUITS ARE TO BE WIRED AHEAD OF ALL SWITCHING AND CONTACTORS.
- 5 PROVIDE NEW LIGHTING AS INDICATED. CIRCUIT TO NEW ELECTRICAL PANEL AS INDICATED. LIGHT FIXTURES TO BE CONTROLLED BY OCCUPANCY SENSOR. REFER TO LIGHT FIXTURE SCHEDULE THIS SHEET FOR LIGHT FIXTURE INFORMATION.
- REFER TO SHEET E121 FOR NEW LIGHTING AND LIGHTING CONTROL IN ASSEMLY

 HALL.

60% SUBMITTAL 01-25-2021

HALLBERG ENGINEERING Mechanical/Electrical Consulting Engineers 1750 Commerce Court White Bear Lake, MN 55110 (651) 748−1100 + Fax (651) 748−9370 PROJECT NO.: R20-3835.002

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINTED NAME: Paul J. Fettinger

SIGNATURE:

REVISIONS





LOWER LEVEL POWER PLAN 4) 1/4" = 1'-0"

GENERAL NOTES

- A. REFER TO THE ARCHITECTURAL SPECIFICATIONS DIVISION 0 AND DIVISION 1 FOR SCHEDULING REQUIREMENTS. MAINTAIN SERVICES TO OCCUPIED AREAS OF THE BUILDING DURING CONSTRUCTION. PROVIDE TEMPORARY SERVICES AS REQUIRED.
- B. EXISTING DEVICES NOT SHOWN ON THIS PLAN ARE TO REMIAN. MAINTAIN CIRCUIT CONTINUITY.
- C. DEMOLISH ALL ELECTRICAL ITEMS SCHEDULED FOR DEMOLITION COMPLETE. DO NOT ABANDON CONDUIT, WIRE, HANGERS, ETC. IN PLACE. WHERE EXISTING BRANCH CIRCUITS ARE INTERCEPTED MAINTAIN POWER TO ALL ACTIVE DEVICES THAT REMAIN.
- D. PROVIDE BLANK COVERPLATE FOR ALL UNUSED DEVICE BOXES.
- E. REPLACE ALL LAY-IN CEILING TILES DAMAGED AS A RESULT OF THE ELECTRICAL WORK, UNLESS NOTED OTHERWISE.
- F. PROVIDE NEW SUPPORT FOR ANY LOW VOLTAGE CABLES ABOVE EXISTING CEILINGS THAT ARE PRESENTLY SUPPORTED BY WALLS AND CEILINGS SLATED FOR DEMOLITION. PROVIDE NEW INDEPENDENT SUPPORTING OF THESE CABLES FROM STRUCTURE (SUPPORT FOR THESE CABLES IS NOT TO BE SUPPORTED FROM CEILING SUPPORT CABLES). THE REQUIREMENTS INCLUDE PROVIDING NEW INDEPENDENT SUPPORTS OF CONDUIT STUBS AND CABLE TRAY PRESENTLY ROUTED THROUGH WALLS SLATED FOR DEMOLITION.
- G. REMOVE AND REINSTALL CEILINGS AS NEEDED FOR ELECTRICAL DEMOLITION, NEW ELECTRICAL WORK AND MODIFICATIONS TO EXISTING ELECTRICAL WORK UNLESS NOTED OTHERWISE.
- H. THE DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ANY DEFICIENCIES AND/OR IMPERFECTIONS ON ANY DEVICE SCHEDULED TO BE REMOVED AND REINSTALLED PRIOR TO COMMENCING DEMOTION WORK. REPORT DEFICIENCIES TO ARCHITECT/OWNER.
- I. SEAL ALL HOLES LEFT IN SMOKE OR FIRE RATED WALLS, FLOORS, OR CEILINGS COMPLETELY WITH U.L. LISTED INTUMESCENT TYPE FIRE BARRIERS.
- J. PATCH AND PAINT ALL WALL, FLOOR, AND CEILING SURFACES DAMAGED AS A RESULT OF THE ELECTRICAL WORK TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE.

KEY NOTES

- (1) LOCATION OF EXISTING ELECTRICAL PANELS AND RELATED EQUIPMENT BEING DEMOLISHED. INTERCEPT EXISTING ACTIVE BRANCH CIRCUITS AND EXTEND THEM TO NEW ELECTRICAL PANELS 'A' AND 'B' IN BOILER ROOM. MATCH EXISTING CONDUIT AND WIRE SIZES.
- $\langle 2 \rangle$ LOCATION OF NEW ELECTRICAL ELECTRICAL EQUIPMENT.
- $\langle 3 \rangle$ NO ELECTRICAL WORK WITHIN THIS AREA UNLESS NOTED OTHERWISE. 4 PROVIDE NEW FIRE ALARM DEVICES AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION AND TIE INTO EXISTING FIRE ALARM PANEL. DEVICE LOCATIONS ARE SHOWN FOR REFERENCE ONLY. FINAL LOCATIONS SHALL BE INSTALLED PER CODE AND ARE THE RESPONSIBILITY OF THE CONTRACTOR INSTALLING IT. ALL APPROVED FIRE ALARM CABLING SHALL BE INSTALLED IN CONDUIT IF
- REQUIRED BY LOCAL CODE. 5 PROVIDE RECEPTACLE, VAPOR TIGHT LED LIGHT FIXTURE, AND TOGGLE SWITCH FOR ON/OFF CONTROL OF LIGHT FIXTURE. SWITCH TO CONTROL LIGHT ONLY. MOUNT IN ELEVATOR PIT. COORDINATE EXACT LOCATION WITH ELEVATOR SUPPLIER AND AUTHORITY HAVING JURISDICTION.
- 6 PROVIDE SMOKE DETECTOR AND HEAT DETECTOR IN ELEVATOR PIT AND CONNECT TO ELEVATOR CONTROLLER PANEL AND FIRE ALARM SYSTEM. SMOKE DETECTOR IN ELEVATOR PIT SHALL CONNECT TO ELEVATOR CONTROLLER PANEL AND INTERLOCK WITH ELEVATOR SHUNT STRIP BREAKER PER ELEVATOR SPECIFICATION. FIRE ALARM SYSTEM BY OTHERS.
- PROVIDE SMOKE DETECTOR AT ELEVATOR LANDING. CONNECT TO ELEVATOR RECALL AND TIE INTO EXISTING FIRE ALARM PANEL. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR VENDOR.





I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: Paul J. Fettinger

	REVISIONS				
No.	Description	Date			



CHARLES THOMPSON MEMORIAL HALL	Rehabilitation, HVAC Upgrade, and Addition	1824 Marshall Avenue, Saint Paul, MN 55104	DRAWN BY DJQ CHECKED BY PJF	DATE 11/XX/20 REVISIONS
Lower Level Power Plan				







GENERAL NOTES

- A. REFER TO THE ARCHITECTURAL SPECIFICATIONS DIVISION 0 AND DIVISION 1 FOR SCHEDULING REQUIREMENTS. MAINTAIN SERVICES TO OCCUPIED AREAS OF THE BUILDING DURING CONSTRUCTION. PROVIDE TEMPORARY SERVICES AS REQUIRED.
- B. EXISTING DEVICES NOT SHOWN ON THIS PLAN ARE TO REMIAN. MAINTAIN CIRCUIT CONTINUITY.
- C. DEMOLISH ALL ELECTRICAL ITEMS SCHEDULED FOR DEMOLITION COMPLETE. DO NOT ABANDON CONDUIT, WIRE, HANGERS, ETC. IN PLACE. WHERE EXISTING BRANCH CIRCUITS ARE INTERCEPTED MAINTAIN POWER TO ALL ACTIVE DEVICES THAT REMAIN.
- D. PROVIDE BLANK COVERPLATE FOR ALL UNUSED DEVICE BOXES.
- E. REPLACE ALL LAY-IN CEILING TILES DAMAGED AS A RESULT OF THE ELECTRICAL WORK, UNLESS NOTED OTHERWISE.
- F. PROVIDE NEW SUPPORT FOR ANY LOW VOLTAGE CABLES ABOVE EXISTING CEILINGS THAT ARE PRESENTLY SUPPORTED BY WALLS AND CEILINGS SLATED FOR DEMOLITION. PROVIDE NEW INDEPENDENT SUPPORTING OF THESE CABLES FROM STRUCTURE (SUPPORT FOR THESE CABLES IS NOT TO BE SUPPORTED FROM CEILING SUPPORT CABLES). THE REQUIREMENTS INCLUDE PROVIDING NEW INDEPENDENT SUPPORTS OF CONDUIT STUBS AND CABLE TRAY PRESENTLY ROUTED THROUGH WALLS SLATED FOR DEMOLITION.
- G. REMOVE AND REINSTALL CEILINGS AS NEEDED FOR ELECTRICAL DEMOLITION, NEW ELECTRICAL WORK AND MODIFICATIONS TO EXISTING ELECTRICAL WORK UNLESS NOTED OTHERWISE.
- H. THE DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ANY DEFICIENCIES AND/OR IMPERFECTIONS ON ANY DEVICE SCHEDULED TO BE REMOVED AND REINSTALLED PRIOR TO COMMENCING DEMOTION WORK. REPORT DEFICIENCIES TO ARCHITECT/OWNER.
- I. SEAL ALL HOLES LEFT IN SMOKE OR FIRE RATED WALLS, FLOORS, OR CEILINGS COMPLETELY WITH U.L. LISTED INTUMESCENT TYPE FIRE BARRIERS.
- J. PATCH AND PAINT ALL WALL, FLOOR, AND CEILING SURFACES DAMAGED AS A RESULT OF THE ELECTRICAL WORK TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE.

KEY NOTES

- $\langle 1 \rangle$ no electrical work within this area unless noted otherwise.
- 2 PROVIDE NEW FIRE ALARM DEVICES AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION AND TIE INTO EXISTING FIRE ALARM PANEL. DEVICE LOCATIONS ARE SHOWN FOR REFERENCE ONLY. FINAL LOCATIONS SHALL BE INSTALLED PER CODE AND ARE THE RESPONSIBILITY OF THE CONTRACTOR INSTALLING IT. ALL APPROVED FIRE ALARM CABLING SHALL BE INSTALLED IN CONDUIT IF REQUIRED BY LOCAL CODE.
- 3 PROVIDE 2-WAY COMMUICATION SYSTEM AT ELEVATOR LANDING. ALL WIRING SHALL COMPLY WITH SECTIONS 1007.8.1 AND 1007.8.2 OF THE NATIONAL ELECTRIC CODE.
- PROVIDE SMOKE DETECTOR AT ELEVATOR LANDING. CONNECT TO ELEVATOR RECALL AND TIE INTO EXISTING FIRE ALARM PANEL. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR VENDOR.



ENGINEERING Mechanical/Electrical Consulting Engineers 1750 Commerce Court White Bear Lake, MN 55110 (651) 748−1100 + Fax (651) 748−9370 PROJECT NO.: R20-3835.002

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: Paul J. Fettinger

SIGNATURE:

REVISIONS			
No.	Description	Date	



MEMORIAL HALL	ograde, and Addition	l, MN 55104	JF	REVISIONS
HOMPSON	on, HVAC U	Avenue, Saint Pau	Q CHECKED BY F	/XX/20
CHARLES T	Rehabilitati	1824 Marshall	DRAWN BY DJ	DATE 11/
FIRST FLOOR POWER PLAN				

E211





GENERAL NOTES

- A. REFER TO THE ARCHITECTURAL SPECIFICATIONS DIVISION 0 AND DIVISION 1 FOR SCHEDULING REQUIREMENTS. MAINTAIN SERVICES TO OCCUPIED AREAS OF THE BUILDING DURING CONSTRUCTION. PROVIDE TEMPORARY SERVICES AS REQUIRED.
- B. EXISTING DEVICES NOT SHOWN ON THIS PLAN ARE TO REMIAN. MAINTAIN CIRCUIT CONTINUITY.
- C. DEMOLISH ALL ELECTRICAL ITEMS SCHEDULED FOR DEMOLITION COMPLETE. DO NOT ABANDON CONDUIT, WIRE, HANGERS, ETC. IN PLACE. WHERE EXISTING BRANCH CIRCUITS ARE INTERCEPTED MAINTAIN POWER TO ALL ACTIVE DEVICES THAT REMAIN.
- D. PROVIDE BLANK COVERPLATE FOR ALL UNUSED DEVICE BOXES.
- E. REPLACE ALL LAY-IN CEILING TILES DAMAGED AS A RESULT OF THE ELECTRICAL WORK, UNLESS NOTED OTHERWISE.
- F. PROVIDE NEW SUPPORT FOR ANY LOW VOLTAGE CABLES ABOVE EXISTING CEILINGS THAT ARE PRESENTLY SUPPORTED BY WALLS AND CEILINGS SLATED FOR DEMOLITION. PROVIDE NEW INDEPENDENT SUPPORTING OF THESE CABLES FROM STRUCTURE (SUPPORT FOR THESE CABLES IS NOT TO BE SUPPORTED FROM CEILING SUPPORT CABLES). THE REQUIREMENTS INCLUDE PROVIDING NEW INDEPENDENT SUPPORTS OF CONDUIT STUBS AND CABLE TRAY PRESENTLY ROUTED THROUGH WALLS SLATED FOR DEMOLITION.
- G. REMOVE AND REINSTALL CEILINGS AS NEEDED FOR ELECTRICAL DEMOLITION, NEW ELECTRICAL WORK AND MODIFICATIONS TO EXISTING ELECTRICAL WORK UNLESS NOTED OTHERWISE.
- H. THE DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ANY DEFICIENCIES AND/OR IMPERFECTIONS ON ANY DEVICE SCHEDULED TO BE REMOVED AND REINSTALLED PRIOR TO COMMENCING DEMOTION WORK. REPORT DEFICIENCIES TO ARCHITECT/OWNER.
- I. SEAL ALL HOLES LEFT IN SMOKE OR FIRE RATED WALLS, FLOORS, OR CEILINGS COMPLETELY WITH U.L. LISTED INTUMESCENT TYPE FIRE BARRIERS.
- J. PATCH AND PAINT ALL WALL, FLOOR, AND CEILING SURFACES DAMAGED AS A RESULT OF THE ELECTRICAL WORK TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE.

KEY NOTES

- $\langle 1 \rangle$ no electrical work within this area unless noted otherwise.
- 2 PROVIDE NEW FIRE ALARM DEVICES AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION AND TIE INTO EXISTING FIRE ALARM PANEL. DEVICE LOCATIONS ARE SHOWN FOR REFERENCE ONLY. FINAL LOCATIONS SHALL BE INSTALLED PER CODE AND ARE THE RESPONSIBILITY OF THE CONTRACTOR INSTALLING IT. ALL APPROVED FIRE ALARM CABLING SHALL BE INSTALLED IN CONDUIT IF REQUIRED BY LOCAL CODE.
- 3 PROVIDE 2-WAY COMMUICATION SYSTEM AT ELEVATOR LANDING. ALL WIRING SHALL COMPLY WITH SECTIONS 1007.8.1 AND 1007.8.2 OF THE NATIONAL ELECTRIC CODE.
- PROVIDE SMOKE DETECTOR AT ELEVATOR LANDING. CONNECT TO ELEVATOR RECALL AND TIE INTO EXISTING FIRE ALARM PANEL. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR VENDOR.





I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA MINNESOTA.

PRINTED NAME: Paul J. Fettinger

	REVISIONS			
No.	Description	Date		



CHARLES THOMPSON MEMORIAL HALL	Rehabilitation, HVAC Upgrade, and Addition	1824 Marshall Avenue, Saint Paul, MN 55104	DRAWN BY DJQ CHECKED BY PJF	DATE 11/XX/20 REVISIONS
SEC	:ON	d fl	_00	DR
P(DWE	R pi	LAN	I





THIRD FLOOR POWER PLAN 1 1/4" = 1'-0"

GENERAL NOTES

- A. REFER TO THE ARCHITECTURAL SPECIFICATIONS DIVISION 0 AND DIVISION 1 FOR SCHEDULING REQUIREMENTS. MAINTAIN SERVICES TO OCCUPIED AREAS OF THE BUILDING DURING CONSTRUCTION. PROVIDE TEMPORARY SERVICES AS REQUIRED.
- B. EXISTING DEVICES NOT SHOWN ON THIS PLAN ARE TO REMIAN. MAINTAIN CIRCUIT CONTINUITY.
- C. DEMOLISH ALL ELECTRICAL ITEMS SCHEDULED FOR DEMOLITION COMPLETE. DO NOT ABANDON CONDUIT, WIRE, HANGERS, ETC. IN PLACE. WHERE EXISTING BRANCH CIRCUITS ARE INTERCEPTED MAINTAIN POWER TO ALL ACTIVE DEVICES THAT REMAIN.
- D. PROVIDE BLANK COVERPLATE FOR ALL UNUSED DEVICE BOXES.
- E. REPLACE ALL LAY-IN CEILING TILES DAMAGED AS A RESULT OF THE ELECTRICAL WORK, UNLESS NOTED OTHERWISE.
- F. PROVIDE NEW SUPPORT FOR ANY LOW VOLTAGE CABLES ABOVE EXISTING CEILINGS THAT ARE PRESENTLY SUPPORTED BY WALLS AND CEILINGS SLATED FOR DEMOLITION. PROVIDE NEW INDEPENDENT SUPPORTING OF THESE CABLES FROM STRUCTURE (SUPPORT FOR THESE CABLES IS NOT TO BE SUPPORTED FROM CEILING SUPPORT CABLES). THE REQUIREMENTS INCLUDE PROVIDING NEW INDEPENDENT SUPPORTS OF CONDUIT STUBS AND CABLE TRAY PRESENTLY ROUTED THROUGH WALLS SLATED FOR DEMOLITION.
- G. REMOVE AND REINSTALL CEILINGS AS NEEDED FOR ELECTRICAL DEMOLITION, NEW ELECTRICAL WORK AND MODIFICATIONS TO EXISTING ELECTRICAL WORK UNLESS NOTED OTHERWISE.
- H. THE DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ANY DEFICIENCIES AND/OR IMPERFECTIONS ON ANY DEVICE SCHEDULED TO BE REMOVED AND REINSTALLED PRIOR TO COMMENCING DEMOTION WORK. REPORT DEFICIENCIES TO ARCHITECT/OWNER.
- I. SEAL ALL HOLES LEFT IN SMOKE OR FIRE RATED WALLS, FLOORS, OR CEILINGS COMPLETELY WITH U.L. LISTED INTUMESCENT TYPE FIRE BARRIERS.
- J. PATCH AND PAINT ALL WALL, FLOOR, AND CEILING SURFACES DAMAGED AS A RESULT OF THE ELECTRICAL WORK TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE.

KEY NOTES

- $\langle 1 \rangle$ no electrical work within this area unless noted otherwise.
- 2 PROVIDE NEW FIRE ALARM DEVICES AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION AND TIE INTO EXISTING FIRE ALARM PANEL. DEVICE LOCATIONS ARE SHOWN FOR REFERENCE ONLY. FINAL LOCATIONS SHALL BE INSTALLED PER CODE AND ARE THE RESPONSIBILITY OF THE CONTRACTOR INSTALLING IT. ALL APPROVED FIRE ALARM CABLING SHALL BE INSTALLED IN CONDUIT IF REQUIRED BY LOCAL CODE.
- 3 PROVIDE 2-WAY COMMULCATION SYSTEM AT ELEVATOR LANDING. ALL WIRING SHALL COMPLY WITH SECTIONS 1007.8.1 AND 1007.8.2 OF THE NATIONAL ELECTRIC CODE.
- PROVIDE SMOKE DETECTOR AT ELEVATOR LANDING. CONNECT TO ELEVATOR RECALL AND TIE INTO EXISTING FIRE ALARM PANEL. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR VENDOR.
- > PROVIDE CONNECTION TO ELEVATOR TELEPHONE. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR VENDOR.
- CONNECT DEDICATED, LABELED, LOCKABLE DISCONNECT FOR ELEVATOR CAR LIGHT AND FAN. COORDINATE EXACT LOCATION OF EQUIPMENT WITH ELEVATOR VENDOR.
- CONNECT DEDICATED, LABELED, LOCKABLE FUSED DISCONNECT FOR ELEVATOR CONTROLLER. FUSE AS PER EQUIPMENT MANUFACTURER'S RECOMMENDATION. VERIFY LOCATION WITH EQUIPMENT VENDOR.
- 8 PROVIDE 150A/3P SHUNT TRIP CIRCUIT BREAKER AND CONNECT TO ELEVATOR CONTROLLER. MOUNT ON WALL NEXT TO ELEVATOR EQUIPMENT CONTROL PANEL. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ELEVATOR CONTRACTOR. PROVIDE A NORMALLY CLOSED CONTACT THAT OPENS ON ACTIVATION. VERIFY WITH ELEVATOR SUPPLIER. MAKE CONNECTION TO CONTROLLER FOR AUTOMATIC SHUT DOWN UPON ACTIVATION OF SMOKE, HEAT DETECTORS, AND FIRE ALARM SYSTEM.
- PROVIDE 200A/3P, FUSED DISCONNECT SWITCH WITH (3)125A FUSES FOR ELEVATOR EQUIPMENT.





I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: Paul J. Fettinger

-											
	REVISIONS										
No.	Description	Date									



CHARLES THOMPSON MEMORIAL HALL	Rehabilitation, HVAC Upgrade, and Addition	1824 Marshall Avenue, Saint Paul, MN 55104	DRAWN BY DJQ CHECKED BY PJF	DATE 11/XX/20 REVISIONS					
THIRD FLOOR POWER PLAN									







GENERAL NOTES

- A. REFER TO THE ARCHITECTURAL SPECIFICATIONS DIVISION 0 AND DIVISION 1 FOR SCHEDULING REQUIREMENTS. MAINTAIN SERVICES TO OCCUPIED AREAS OF THE BUILDING DURING CONSTRUCTION. PROVIDE TEMPORARY SERVICES AS REQUIRED.
- B. EXISTING DEVICES NOT SHOWN ON THIS PLAN ARE TO REMIAN. MAINTAIN CIRCUIT CONTINUITY.
- C. DEMOLISH ALL ELECTRICAL ITEMS SCHEDULED FOR DEMOLITION COMPLETE. DO NOT ABANDON CONDUIT, WIRE, HANGERS, ETC. IN PLACE. WHERE EXISTING BRANCH CIRCUITS ARE INTERCEPTED MAINTAIN POWER TO ALL ACTIVE DEVICES THAT REMAIN.
- D. PROVIDE BLANK COVERPLATE FOR ALL UNUSED DEVICE BOXES.
- E. REPLACE ALL LAY-IN CEILING TILES DAMAGED AS A RESULT OF THE ELECTRICAL WORK, UNLESS NOTED OTHERWISE.
- F. PROVIDE NEW SUPPORT FOR ANY LOW VOLTAGE CABLES ABOVE EXISTING CEILINGS THAT ARE PRESENTLY SUPPORTED BY WALLS AND CEILINGS SLATED FOR DEMOLITION. PROVIDE NEW INDEPENDENT SUPPORTING OF THESE CABLES FROM STRUCTURE (SUPPORT FOR THESE CABLES IS NOT TO BE SUPPORTED FROM CEILING SUPPORT CABLES). THE REQUIREMENTS INCLUDE PROVIDING NEW INDEPENDENT SUPPORTS OF CONDUIT STUBS AND CABLE TRAY PRESENTLY ROUTED THROUGH WALLS SLATED FOR DEMOLITION.
- G. REMOVE AND REINSTALL CEILINGS AS NEEDED FOR ELECTRICAL DEMOLITION, NEW ELECTRICAL WORK AND MODIFICATIONS TO EXISTING ELECTRICAL WORK UNLESS NOTED OTHERWISE.
- H. THE DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ANY DEFICIENCIES AND/OR IMPERFECTIONS ON ANY DEVICE SCHEDULED TO BE REMOVED AND REINSTALLED PRIOR TO COMMENCING DEMOTION WORK. REPORT DEFICIENCIES TO ARCHITECT/OWNER.
- I. SEAL ALL HOLES LEFT IN SMOKE OR FIRE RATED WALLS, FLOORS, OR CEILINGS COMPLETELY WITH U.L. LISTED INTUMESCENT TYPE FIRE BARRIERS.
- J. PATCH AND PAINT ALL WALL, FLOOR, AND CEILING SURFACES DAMAGED AS A RESULT OF THE ELECTRICAL WORK TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE.

KEY NOTES

- NEW MECHANICAL EQUIPMENT. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E800.
- 2 E.C. TO FURNISH DUCT SMOKE DETECTOR. DETECTOR TO BE COMPLETE WITH AUXILLARY CONTACTS, BASE SAMPLING TUBES AND REMOTE STATUS INDICATOR/RESET SWITCH (RS). SIMPLEX OR EQUAL. DETECTOR INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE A J-BOX FOR POWER CONNECTION TO DUCT SMOKE DETECTORS. ELECTRICAL CONTRACTOR SHALL MAKE FINAL POWER AND CONTROL CONNECTIONS. COORDINATE LOCATION OF RESET SWITCHES (RS) WITH MECHANICAL CONTRACTOR.
- 3 provide a weatherproof/gfci receptacle at rooftop unit. Hubbell Model #Mg420c or equal.





I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINTED NAME: Paul J. Fettinger

	REVISIONS	
No.	Description	Date



CHARLES THOMPSON MEMORIAL HALL	Rehabilitation, HVAC Upgrade, and Addition	1824 Marshall Avenue, Saint Paul, MN 55104	DRAWN BY DJQ CHECKED BY PJF	DATE 11/XX/20 REVISIONS
R(PC	ooi Dwe	f le' Er pi	Vel _An	Į
E	2	24	- 1	

NAME NO.	DESCRIPTION LOCATION	∨/ø	MCA	MOCP	HP	KVA	DISC. BY DISC. SIZE	DISC. TYPE DISC. LOC.	STARTER BY STARTER SIZE	STARTER TYPE STARTER LOC.	CONTROL BY CONTROL TYPE	CONTROL LOC.	CONDUIT SIZE CONDUCTORS	PANEL NAME CIRCUIT #	OCD SIZE OCD TYPE	NOTES
AHU 1	AIR HANDLING UNIT	208/3	9	15	2.4	-	-	-	-	-	-	-	3/4" 3#12, 1#12 GND.	MDP	15A/3P C.B.	-
AHU 2	AIR HANDLING UNIT	208/3	14	20	3.7	-	-	-	-	_	-	-	3/4" 3#12, 1#12 GND.	MDP	20A/3P C.B.	-
B 1	BOILER MECHANICAL ROOM	120/1	35	50	-	-	-	-	-	-	-	-	3/4" 2#12, 1#12 GND.	MDP	20A/1P C.B.	-
B 2	BOILER MECHANICAL ROOM	120/1	35	50	-	-	-	-	-	-	-	-	3/4" 2#12, 1#12 GND.	MDP	20A/1P C.B.	-
B 3	BOILER MECHANICAL ROOM	120/1	35	50	-	-	-	-	-	-	-	-	3/4" 2#12, 1#12 GND.	MDP	20A/1P C.B.	-
B 4	BOILER MECHANICAL ROOM	120/1	35	50	-	-	-	-	-	-	-	-	3/4" 2#12, 1#12 GND.	MDP	20A/1P C.B.	-
CP 1	CIRCULATION PUMP	120/1	-	-	1/12	-	-	-	-	-	-	-	3/4" 2#12, 1#12 GND.	MDP	20A/1P C.B.	-
CU 1	CONDENSING UNIT	208/3	35	50	-	-	-	-	-	-	-	-	3/4" 3#8, 1#10 GND.	MDP	50A/3P C.B.	-
CU 2	CONDENSING UNIT	208/3	39	60	-	-	-	-	-	-	-	-	1" 3#6, 1#10 GND.	MDP	60A/3P C.B.	-
EF 1	EXHAUST FAN LOWER LVL R.R.	120/1	-	-	1/6	-	-	-	-	-	-	-	3/4" 2#12, 1#12 GND.	MDP	20A/1P C.B.	-
EF 2	EXHAUST FAN 1ST FLOOR R.R.	120/1	-	-	1/6	-	-	-	-	-	-	-	3/4" 2#12, 1#12 GND.	MDP	20A/1P C.B.	-
EF 3	EXHAUST FAN NEW ADDITION R.R.	120/1	-	-	1/12	-	-	-	-	-	-	-	3/4" 2#12, 1#12 GND.	MDP	20A/1P C.B.	-
GWH 1	GAS WATER HEATER	120/1	-	-	-	-	-	-	-	-	-	-	3/4" 2#12, 1#12 GND.	MDP	20A/1P C.B.	-
HWCP 1	HOT WATER CIRC. PUMP	120/1	-	-	1/3	-	-	-	-	-	-	-	3/4" 2#12, 1#12 GND.	MDP	20A/1P C.B.	-
HWCP 2	HOT WATER CIRC. PUMP	120/1	-	-	3/4	-	-	-	-	-	-	-	3/4" 2#12, 1#12 GND.	MDP	20A/1P C.B.	-
HWCP 3	HOT WATER CIRC. PUMP	120/1	-	-	1/2	-	-	-	-	-	-	-	3/4" 2#12, 1#12 GND.	MDP	20A/1P C.B.	-
RTU 1	ROOFTOP UNIT ROOF	208/3	41	50	-	-	-	-	-	-	-	-	3/4" 3#8, 1#10 GND.	MDP	50A/3P C.B.	-
RTU 2	ROOFTOP UNIT ROOF	208/3	41	50	-	-	-	-	-	-	-	-	3/4" 3#8, 1#10 GND.	MDP	50A/3P C.B.	-
RTU 3	ROOFTOP UNIT ROOF	208/3	54	60	-	-	-	-	-	-	-	-	1" 3#6, 1#10 GND.	MDP	60A/3P C.B.	-
SP 1	SUMP PUMP ELEVATOR PIT	120/1	-	-	1/2	-	-	-	-	-	-	-	3/4" 2#12, 1#12 GND.	MDP	20A/1P C.B.	-



POWER RISER DIAGRAM

KEY NOTES

- (1) NEW 600A, 208Y/120V, 3Ø, 4W SERVICE FEEDERS PROVIDED BY UTILITY COMPANY.
- 2 TIE-IN TO TENANT'S SERVICE FEEDER BY XCEL ENERGY. COORDINATE EXACT REQUIREMENTS WITH XCEL ENERGY REPRESENTATIVE.
- 3 SERVICE FEEDERS PROVIDED BY TENANT. REFER TO KEY NOTE 5 FOR FURTHER INFORMATION.
- (4) TENANT'S E.C. TO PROVIDE SERVICE ENTRANCE WEATHER HEADS.
- 5 TENANT'S E.C. TO PROVIDE TWO SETS OF 3"C.-4#350 KCMIL FROM WEATHER HEADS TO ELECTRICAL PANEL 'MDP' IN BOILER ROOM. LEAVE 10' OF EXCESS FEEDER WIRE AT WEATHER HEADS FOR XCEL ENERGY TIE-IN.
- 6 TENANT'S E.C. TO DRILL THROUGH WALL AND EXTEND CONDUIT AND SERVICE FEEDERS TO NEW ELECTRICAL PANEL 'MDP'.
- 7 TENANT'S E.C. TO PROVIDE NEW ELECTRICAL PANELS. REFER TO PANELBOARD SCHEDULES ON THIS SHEET FOR FURTHER INFORMATION.
- 8 TENANT'S E.C. TO PROVIDE 2"C.-4#3/0, 1#6 GND.
- 9 GROUND SERVICE PER NEC REQUIREMENTS.

					PAN	IEL I	MDP)				
Location: Stockroom							12 000	ì				208/120 Volt, 3ø, 4w
Mounting: Surface		AIC RATING. 42,000										Main: C.B 600A
Circuit Description	KVA	CB	NO.	NOTE	A	B	С	NOTE	NO.	CB	KVA	Circuit Description
	4.9		1		X				2			
RTU-1	4.9	<mark>50/3</mark>	3	В		X		B	4	15/3		AHU-1
	4.9		5	1			X		6			1
	4.9		7		Х				8			
RTU-2	4.9	50/3	9	В		X		В	10	20/3		AHU-2
	4.9		11	1			Х		12			
	6.5		13		Х				14			
RTU-3	6.5	60/3	15	В		X		B	16	50/3		CU-1
	6.5		17	1			Х		18			
SPARE		20/1	19		X				20			
SPARE		20/1	21			X		В	22	60/3		CU-2
SPARE		20/1	23				X		24			
SPARE		20/1	25		X				26	20/1		SPARE
SPARE		20/1	27			X			28	20/1		SPARE
SPARE		20/1	29				X		30	20/1		SPARE
SPARE		20/1	31		Х				32	20/1		SPARE
SPARE		20/1	33			X			34	20/1		SPARE
SPARE		20/1	35				X		36	20/1		SPARE
SPARE		20/1	37		X				38	20/1		SPARE
SPARE		20/1	39			X			40	20/1		SPARE
SPARE		20/1	41				Х		42	20/1		SPARE
	<u> </u>				Α	B	С					SPARE
CONNECTED KVA:	48.9				16.3	16.3	16.3					DESIGN DEMAND KVA:
CONNECTED HIGH PHASE AMPS:	135.8											DESIGN DEMAND AMPS:

PANEL NOTES:

A - PROVIDE CIRCUIT BREAKER WITH LOCK-ON DEVICE. B - PROVIDE HACR TYPE CIRCUIT BREAKER.

BALANCE PHASE LOADS TO WITHIN 10% OF EACH OTHER.

TENANT LOAD SUMMARY											
	CONNECTED	DESIGN	DESIGN DEMAND								
	KVA	FACTOR	KVA								
LIGHTING	0.0	1.25	0.0								
RECEPTACLES	0.0	1.0	0.0								
SIGN	0.0	1.25	0.0								
WATER HEATER	0.0	1.0	0.0								
HVAC - LARGEST	0.0	1.25	0.0								
HVAC - REMAINING	0.0	1.0	0.0								
HVAC - NON COINCIDENT	0.0	1.0	0.0								
MISCELLANEOUS	0.0	1.0	0.0								
TOTAL KVA:	0.0		0.0								
TOTAL AMPS:	0.0		0.0								

					PA	NEL	Α.					
Location: Stockroom							12 000	0				208/120 Volt, 3ø, 4w
Mounting: Surface						Main: C.B 200A						
Circuit Description	KVA	CB	NO.	NOTE	Α	В	С	NOTE	NO.	CB	KVA	Circuit Description
SPARE		20/1	1		X				2	20/1		SPARE
SPARE		20/1	3			Х			4	20/1		SPARE
SPARE		20/1	5				Х		6	20/1		SPARE
SPARE		20/1	7		X				8	20/1		SPARE
SPARE		20/1	9			X			10	20/1		SPARE
SPARE		20/1	11				X		12	20/1		SPARE
SPARE		20/1	13		X				14	20/1		SPARE
SPARE		20/1	15			X			<mark>16</mark>	20/1		SPARE
SPARE		20/1	17				Х		18	20/1		SPARE
SPARE		20/1	19		X				20	20/1		SPARE
SPARE		20/1	21			Х			22	20/1		SPARE
SPARE		20/1	23				Х		24	20/1		SPARE
SPARE		20/1	25		X				26	20/1		SPARE
SPARE		20/1	27			X			28	20/1		SPARE
SPARE		20/1	29				Х		30	20/1		SPARE
SPARE		20/1	31		X				32	20/1		SPARE
SPARE		20/1	33			Х			34	20/1		SPARE
SPARE		20/1	35				Х		36	20/1		SPARE
SPARE		20/1	37		X				38	20/1		SPARE
SPARE		20/1	39			Х			40	20/1		SPARE
SPARE		20/1	41				X		42	20/1		SPARE
					Α	В	С					SPARE
CONNECTED KVA:	0.0				0.0	0.0	0.0					DESIGN DEMAND KVA:
CONNECTED HIGH PHASE AMPS:	0.0							_				DESIGN DEMAND AMPS:

PANEL NOTES: A - PROVIDE CIRCUIT BREAKER WITH LOCK-ON DEVICE. BALANCE PHASE LOADS TO WITHIN 10% OF EACH OTHER.

TENANT LOAD SUMMARY											
	CONNECTED	DESIGN	DESIGN DEMAND								
	KVA	FACTOR	KVA								
LIGHTING	0.0	1.25	0.0								
RECEPTACLES	0.0	1.0	0.0								
SIGN	0.0	1.25	0.0								
WATER HEATER	0.0	1.0	0.0								
HVAC - LARGEST	0.0	1.25	0.0								
HVAC - REMAINING	0.0	1.0	0.0								
HVAC - NON COINCIDENT	0.0	1.0	0.0								
MISCELLANEOUS	0.0	10	0.0								

HVAC - NON COINCIDENT	0.0	1.0	0.0
MISCELLANEOUS	0.0	1.0	0.0
TOTAL KVA:	0.0		0.0
TOTAL AMPS:	0.0		0.0

					PA	NEL	B					
Location: Stockroom							12 00	0				208/120 Volt, 3ø, 4w
Mounting: Surface						Main: C.B 400A						
Circuit Description	KVA	KVA CB NO. NOTE A B C NOTE NO. CB KVA								KVA	Circuit Description	
SPARE		20/1	1		X				2	20/1		SPARE
SPARE		20/1	3			X			4	20/1		SPARE
SPARE		20/1	5				Х		6	20/1		SPARE
SPARE		20/1	7		X				8	20/1		SPARE
SPARE		20/1	9			X			10	20/1		SPARE
SPARE		20/1	11				Х		12	20/1		SPARE
SPARE		20/1	13		X				14	20/1		SPARE
SPARE		20/1	15			X			16	20/1		SPARE
SPARE		20/1	17				X		18	20/1		SPARE
SPARE		20/1	19		X				20	20/1		SPARE
SPARE		20/1	21			X			22	20/1		SPARE
SPARE		20/1	23				Х		24	20/1		SPARE
SPARE		20/1	25		X				26	20/1		SPARE
SPARE		20/1	27			X			28	20/1		SPARE
SPARE		20/1	29				Х		30	20/1		SPARE
SPARE		20/1	31		X				32	20/1		SPARE
SPARE		20/1	33			X			34	20/1		SPARE
SPARE		20/1	35				Х		36	20/1		SPARE
SPARE		20/1	37		X				38	20/1		SPARE
SPARE		20/1	39			X			40	20/1		SPARE
SPARE		20/1	41				Х		42	20/1		SPARE
					Α	В	С					SPARE
CONNECTED KVA:	0.0				0.0	0.0	0.0					DESIGN DEMAND KVA:
CONNECTED HIGH PHASE AMPS:	0.0							_				DESIGN DEMAND AMPS:

<u>PANEL NOTES:</u> A - PROVIDE CIRCUIT BREAKER WITH LOCK-ON DEVICE. BALANCE PHASE LOADS TO WITHIN 10% OF EACH OTHER.

TENANT LOAD SUMMARY				
	CONNECTED	DESIGN	DESIGN DEMAND	
	KVA	FACTOR	KVA	
LIGHTING	0.0	1.25	0.0	
RECEPTACLES	0.0	1.0	0.0	
SIGN	0.0	1.25	0.0	
WATER HEATER	0.0	1.0	0.0	
HVAC - LARGEST	0.0	1.25	0.0	
HVAC - REMAINING	0.0	1.0	0.0	
HVAC - NON COINCIDENT	0.0	1.0	0.0	
MISCELLANEOUS	0.0	1.0	0.0	
TOTAL KVA:	0.0		0.0	
TOTAL AMPS:	0.0		0.0	





ELECTRICAL

SCHEDULES &

POWER RISER

DIAGRAM

E800



HVAC SYMBOL L	EGEND		PLUME	BING	SYMBOL I	LEGEN	ID
DUCTWORK			FLOOR DRAIN	X	ANCHOR	Δ	REDU
SUPPLY DUCT UP	12/12		FLOOR SINK	II	PIPE FLANGE	►	FLOW
SUPPLY DUCT DOWN	12/12 ×		W/HALF GRATE FLOOR SINK			ħ	STEAN
SUPPLY DUCT UP THROUGH ROOF	12/12	■ 1	W/FULL GRATE	 		Ļ	STEAM
RETURN/RELIEF DUCT UP	12/12		BALL VALVE	Ų	AIR CHAMBER	T	THERN
RETURN/RELIEF DUCT DOWN	12/12		GATE VALVE	•	ARRESTER		EXPAN
RETURN/RELIEF DUCT UP THROUGH ROOF	12/12	N	CHECK VALVE	+	WALL HYDRANT/ HOSE BIBB		FLEXIE
EXHAUST DUCT UP	12/12	M	DRAIN VALVE	(\cdot)	EXPANSION TANK	Ŧ	TEST
EXHAUST DUCT DOWN	12/12	R	2-WAY VALVE	M	WATER METER	۵	STEAN (THER
EXHAUST DUCT UP THROUGH ROOF	12/12	™ N	SOLENOID VALVE	П	FLOW METER	Ϋ́	VACU
MANUAL VOLUME DAMPER		X	MOTORIZED VALVE		THERMOMETER	A	AQUA
MOTORIZED DAMPER		K	EMERGENCY GAS SHUT-OFF VALVE	Ŷ	PRESSURE GAGE	Ř	PRESS
		Ŵ	THERMOSTATIC/PRESSURE BALANCE MIXING VALVE	Ŕ	STRAINER	n	PIPE
REMUTELT ACCESSIBLE VOLUME DAMPER	FD	ТР	TRAP PRIMING VALVE	\bigcirc	PUMP	0	PIPE
FIRE DAMPER W/ACCESS PANEL		<u>م</u>	PRESSURE RELIEF VALVE	#	PLUMBING FIXTURE TAG	0	TEE D
FIRE/SMOKE DAMPER W/ACCESS PANEL		יך	BUTTERFLY VALVE	F#	FLOOR RECEPTOR TAG	ılı	UNION
SMOKE DAMPER W/ACCESS PANEL	SD 12/12	\bowtie	GLOBE VALVE	FS T	FLOW SWITCH	П	PIPE
DUCT RISE (OR DROP)	UP (OR DN)	-	CIRCUIT BALANCING VALVE	₩ A	3-WAY VALVE	\$	PIPE
EXISTING DUCTWORK TO REMAIN	$ = \frac{12}{12} = \frac$		PLUG VALVE		BACKFLOW PREVENTER		
EXISTING DUCTWORK TO BE REMOVED	XIIIIIIIX						
SUPPLY AIR TERMINAL	\bowtie						
RETURN/EXHAUST/TRANSFER AIR TERMINAL	\square						
VAV BOX							
ACCESS PANEL	AP						
THERMOSTAT TEMPERATURE SENSOR SMOKE DETECTOR CO2 SENSOR	(T) (S) (C) (C)						
LONG RADIUS ELBOW							
SHORT RADIUS ELBOW WITH VANES							

<u>`x'|xx"</u>ø XXX (X)

DIFFUSER TYPE NECK SIZE AIRFLOW QUANTITY

	PLUMBING LINETYPE LEGEND
ER	DOMESTIC COLD WATER DOMESTIC COLD WATER (BELOW FLOOR/GRADE) DOMESTIC HOT WATER
ARROW	GAS GAS (ON ROOF) GAS (ON ROOF) GAS (ON ROOF)
TRAP (F&T)	VENT (UNDERFLOOR/GRADE)
DSTAT WELL	HVAC PIPING LINETYPE LEGEND
SION JOINT	
E CONNECTOR	
LUG	
TRAP IOSTATIC)	
I RELIEF VALVE	
AT	XXX EQUIPMENT TAG CONNECTION TO EXISTING SPRINKLER HEAD (SEMI-RECESSED 0 SPRINKLER HEAD (UPRIGHT)
IRE REGULATOR	X REVISION TRIANGLE X KEY NOTE SPRINKLER HEAD (FULLY RECESSE
NWC	SHEET INDEX
P	M000 MECHANICAL TITLE SHEET M001 LOWER LEVEL MECHANICAL DEMOLITION PLAN M011 FIRST FLOOR MECHANICAL DEMOLITION PLAN
DWN	M021 SECOND FLOOR MECHANICAL DEMOLITION PLAN M031 THIRD FLOOR MECHANICAL DEMOLITION PLAN
	M101 LOWER LEVEL MECHANICAL PLAN M111 FIRST FLOOR MECHANICAL PLAN
AP	M121 SECOND FLOOR MECHANICALPLAN M131 THIRD FLOOR MECHANICAL PLAN
REAK	M141 ROOF PLAN M201 LOWER LEVEL PIPING PLAN M211 EIRST ELOOR PIPING PLAN
	M221 SECOND FLOOR PIPING PLAN M231 THIRD FLOOR PIPING PLAN
	M700 MECHANICAL DETAILS M800 MECHANICAL SCHEDULES
	P101 LOWER LEVEL PLUMBING PLAN
	PILI PIKST LEVEL PLUMBING PLAN P601 PLUMBING RISER DIAGRAMS
	P700 PLUMBING DETAILS





DEMOLITION GENERAL NOTES

- STRUCTURAL ENGINEER.
- ACRYLIC CAULK.

1 LOWER LEVEL MECHANICAL DEMOLITION PLAN

- A. THIS CONTRACTOR IS RESPONSIBLE FOR ALL SAW CUTTING, CORE DRILLING, AND PATCHING OF FLOORS AND WALLS AFFECTED BY HIS WORK UNLESS NOTED OTHERWISE. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SAW CUTTING, CORE DRILLING, FLOORS OR WALLS. ALL FLOOR PENETRATIONS WILL APPROVED BY
- B. FIELD VERIFY ALL EXISTING CONDITIONS, LOCATIONS, ROUTINGS AND SIZES PRIOR TO COMMENCEMENT OF WORK.
- C. PROVIDE FIRE STOPPING AND PATCH HOLES FOR ALL NEW AND EXISTING OPENINGS CREATED BY THE DEMOLITION OF EXISTING MECHANICAL ITEMS SUCH AS PIPING, TUBING, DUCTWORK, CONTROL WIRING, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR RATED WALLS AND FLOORS. IF NOT RATED USE STANDARD
- D. DEMOLISH ALL ABANDONED HANGERS, TRAPS, INSULATION, DUCTWORK, CONTROLS PIPING, AND ACCESSORIES.
- E. REMOVE ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PLUMBING FIXTURES, PIPING, SYSTEMS, ETC., NOT BEING RE-USED. DO NOT JUST ABANDON.
- F. CONTROL CONTRACTOR SHALL REMOVE ALL CONTROL DEVICES, EQUIPMENT AND PROVIDE PERMANENT CAPS AT MAINS IF POSSIBLE. MAINTAINING THE INTEGRITY OF THE SYSTEM IS CRITICAL TO THE REMAINING PORTIONS OF THE BUILDING. G. THIS CONTRACTOR IS RESPONSIBLE FOR PATCHING ALL HOLES,
- WALLS, CEILINGS, ETC FROM MECHANICAL DEMOLITION UNLESS NOTED OTHERWISE.

M001 KEY NOTES

- 1. REMOVE EXISTING LAVATORY, CAP SANITARY, HOT WATER, COLD WATER AND VENT PIPING BACK TO MAIN.
- 2. REMOVE EXISTING WATER CLOSET, CAP SANITARY, COLD WATER AND VENT PIPING BACK TO MAIN.
- REMOVE EXISTING URINAL, CAP SANITARY, COLD WATER AND VENT PIPING BACK TO MAIN.
- 4. EXISTING DRINKING FOUNTAIN TO REMAIN, REBUILD/REFURBISH TO GOOD WORKING ORDER.
- 5. EXISTING 3-COMPARTMENT SINK TO REMAIN.
- 6. EXISTING HOT WATER SUPPLY AND RETURN PIPING TO REMAIN. 7. EXISTING FIN-TUBED CABINET UNIT HEATER TO REMAIN.
- 8. EXISTING REFRIGERANT PIPING FROM FAN COIL UNIT TO
- CONDENSING UNIT TO BE REMOVED.
- 9. EXISTING THERMOSTAT FOR CABINET UNIT HEATER TO REMAIN. 10. EXISTING GAS METER AND PIPING TO REMAIN.
- 11. EXISTING CONDENSING UNIT AND ASSOCIATED REFRIGERANT PIPING AND CONTROLS TO BE REMOVED.
- 12. EXISTING FAN COIL UNIT AND ASSOCIATED CONDENSATE DRAIN, DUCTWORK AND CONTROLS TO BE REMOVED.
- 13. REMOVE EXISTING WATER HEATER, EXISTING GAS PIPING TO REMAIN. SEE SHEET P101 FOR NEW WATER HEATER.
- 14. EXISTING THERMAL EXPANSION TANK TO BE REMOVED.
- 15. REMOVE EXISTING BOILER FLUE PIPING AND CAP AT CHASE.
- 16. EXISTING HOT WATER BOILER TO BE REMOVED.
- 17. EXISTING HOT WATER ZONE PUMPS TO REMAIN.
- 18. EXISTING THERMOSTAT FOR FAN COIL UNIT TO BE REMOVED.
- 19. REMOVE EXISTING 1" WATER SERVICE, SEE SHEET P101 FOR NEW WATER SERVICE.
- 20. EXISTING FIN-TUBED CABINET UNIT HEATER AND ASSOCIATED THERMOSTAT TO BE REMOVED, EXISTING HOTWATER SUPPLY AND RETURN PIPING TO BE REVISED/REUSED. SEE SHEET M201 FOR FURTHER INFORMATION.





1) FIRST FLOOR MECHANICAL DEMOLITION PLAN

M011 KEY NOTES

- 1. REMOVE EXISTING LAVATORY, CAP SANITARY, HOT WATER, COLD WATER AND VENT PIPING BACK TO MAIN.
- REMOVE EXISTING WATER CLOSET, CAP SANITARY, COLD WATER AND VENT PIPING BACK TO MAIN.
- REMOVE EXISTING BATH TUB, CAP SANITARY, HOT WATER, COLD WATER AND VENT PIPING BACK TO MAIN.
- 4. EXISTING 2-COMPARTMENT SINK TO REMAIN.
- 5. EXISTING GAS RANGE TO REMAIN.
- 6. EXISTING HOT WATER SUPPLY AND RETURN PIPING TO REMAIN.
- 7. EXISTING FIN-TUBED CABINET UNIT HEATER TO REMAIN.
- 8. EXISTING REFRIGERANT PIPING FROM FAN COIL UNIT TO CONDENSING UNIT TO BE REMOVED.
- 9. EXISTING THERMOSTAT FOR CABINET UNIT HEATER TO REMAIN.
- 10. EXISTING THERMOSTAT FOR FAN COIL UNIT TO BE REMOVED.
- 11. EXISTING HAND SINK TO REMAIN.
- 12. EXISTING FAN COIL UNIT AND ASSOCIATED CONDENSATE DRAIN, DUCTWORK AND CONTROLS TO BE REMOVED.







1 SECOND FLOOR MECHANICAL DEMOLITION PLAN

M021 KEY NOTES

- 1. EXISTING HOT WATER SUPPLY AND RETURN PIPING TO REMAIN.
- 2. EXISTING FIN-TUBED CABINET UNIT HEATER TO REMAIN.
- EXISTING REFRIGERANT PIPING FROM FAN COIL UNIT TO CONDENSING UNIT TO BE REMOVED.
- 4. EXISTING THERMOSTAT FOR CABINET UNIT HEATER TO REMAIN.
- 5. EXISTING THERMOSTAT FOR FAN COIL UNIT TO BE REMOVED.
- 6. EXISTING WALL GRILLE TO REMAIN.





1 THIRD FLOOR MECHANICAL DEMOLITION PLAN

M031 KEY NOTES

- 1. EXISTING HOT WATER SUPPLY AND RETURN PIPING TO REMAIN.
- 2. EXISTING FIN-TUBED CABINET UNIT HEATER TO REMAIN.
- EXISTING REFRIGERANT PIPING FROM FAN COIL UNIT TO CONDENSING UNIT TO BE REMOVED.
- 4. EXISTING THERMOSTAT FOR CABINET UNIT HEATER TO REMAIN.
- 5. EXISTING AIR SEPARATOR VENT TO REMAIN.
- 6. EXISTING FAN COIL UNIT AND ASSOCIATED CONDENSATE DRAIN, DUCTWORK AND CONTROLS TO BE REMOVED.





1 ROOF DEMOLITION PLAN



M041 KEY NOTES

- 1. EXISTING ROOF HATCH.
- 2. EXISTING PLUMBING VENT TO REMAIN.
- 3. EXISTING ATTIC VENT TO REMAIN.
- REMOVE EXISTING MOVING PICTURE OPERATING ROOM VENT, REPAIR/PATCH ROOF AS REQUIRED.
- 5. ASSEMBLY ROOM VENT.
- 6. STAGE AREA VENT.



GENERAL MECHANICAL NOTES

- A. ALL REFERENCES ON THE DRAWINGS AND IN THE SPECIFICATIONS TO "CONTRACTOR" AND "MECHANICAL CONTRACTOR" REFER TO THE TENANT'S MECHANICAL CONTRACTOR, UNLESS NOTED OTHERWISE.
- B. ALL WORK SHOWN AND SPECIFIED HEREIN SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE.
- C. THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID, INCLUDING ALL EXISTING EQUIPMENT, DUCTWORK, PIPING, STUB-INS, TAPS, ETC. NO CLAIMS FOR EXTRAS DUE TO LACK OF FAMILIARITY WITH SITE CONDITIONS WILL BE APPROVED.
- D. THE CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR ALL DIVISIONS OF WORK AND SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL HIS SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.
- E. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND SHALL NOT BE SCALED. THE CONTRACTOR SHALL FIT THE WORK TO THE JOB, CAREFULLY INVESTIGATING STRUCTURAL, MECHANICAL, ELECTRICAL AND FINISH CONDITIONS AFFECTING THE WORK, AND SHALL FURNISH AND INSTALL ALL NECESSARY BENDS, OFFSETS, FITTINGS, JUNCTIONS, ETC. WHETHER OR NOT SPECIFICALLY SHOWN OR CALLED FOR, AND SEE THAT THERE ARE NO INTERFERENCES BETWEEN THIS WORK AND THE WORK OF OTHER TRADES.
- F. PROVIDE ALL EQUIPMENT AND MATERIALS, AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY APPLICABLE CODES.
- G. INSTALL ALL MECHANICAL EQUIPMENT, MATERIALS AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, THE CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
- H. ALL EQUIPMENT, MATERIALS AND INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LANDLORD CRITERIA.
- . THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS THAT ARE NOT DIMENSIONED ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS SHALL BE BASED ON SITE CONDITIONS. INSTALL ALL EQUIPMENT AS REQUIRED TO MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES.
- J. COORDINATE DIFFUSER, REGISTER AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN, LIGHTING, AND OTHER CEILING-MOUNTED ITEMS, AND MAKE MINOR ADJUSTMENTS IN DIFFUSER LOCATIONS AND DUCTWORK AS REQUIRED.
- K. ALL ROOF CUTTING, PATCHING AND FLASHING REQUIRED TO INSTALL THE MECHANICAL SYSTEMS SHALL BE BY A LANDLORD-APPROVED ROOFING CONTRACTOR AT THIS CONTRACTOR'S EXPENSE. COORDINATE ROOF PENETRATIONS WITH LANDLORD AND GENERAL CONTRACTOR.
- .. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO LANDLORD'S BASE BUILDING SYSTEMS. RE-USE EXISTING CONNECTION POINTS WHERE POSSIBLE. COORDINATE ALL REQUIREMENTS IN FIELD WITH LANDLORD.
- M. NOTIFY TENANT'S PROJECT MANAGER IF ANY EXISTING DUCTWORK OR PIPING CONNECTION POINTS ARE SMALLER THAN SIZES SHOWN ON DRAWINGS.
- N. CONTRACTOR SHALL CLEAN AND SERVICE ALL EXISTING MECHANICAL EQUIPMENT THAT IS BEING RE-USED. REPAIR OR REPLACE UNIT COMPONENTS AS REQUIRED TO MAKE UNIT FULLY FUNCTIONAL, INCLUDING BUT NOT LIMITED TO: FANS, MOTORS, DRIVES, BELTS, BEARINGS, COILS, HEAT EXCHANGERS, REFRIGERATION, DAMPERS, DAMPER MOTORS, VALVES, AND OPERATING AND SAFETY CONTROLS. CHANGE FILTERS UPON COMPLETION OF SERVICE WORK AND JUST PRIOR TO JOB TURNOVER.
- O. EXISTING DUCTWORK MAY BE RE-USED WHERE EXISTING DUCT SIZES AND CONDITIONS MEET OR EXCEED THOSE SHOWN AND SPECIFIED. DUCT SIZES SHOWN ON DRAWINGS ARE MINIMUM REQUIRED SIZES. CLEAN ALL RE-USED DUCTWORK THOROUGHLY PRIOR TO CONNECTION TO NEW. INSULATE EXISTING DUCTWORK BEING RE-USED AS REQUIRED TO MEET SPECIFICATIONS FOR NEW DUCTWORK. DO NOT RE-USE LINED DUCTWORK.
- P. REMOVE ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING SYSTEMS, CONTROLS, ETC. NOT BEING RE-USED. DO NOT ABANDON IN PLACE. MAINTAIN SERVICES PASSING THROUGH SPACE TO OTHER TENANT SPACES.
- Q. CONTRACTOR MAY, AT HIS OPTION, INSTALL ROUND SPIRAL DUCTWORK OF EQUIVALENT CAPACITY IN LIEU OF RECTANGULAR DUCTWORK SHOWN AS LONG AS CEILING HEIGHTS ARE NOT AFFECTED.
- R. FIBERGLASS DUCTBOARD IS NOT ALLOWED.
- S. BRANCH DUCT RUNOUTS TO DIFFUSERS SHALL BE SAME SIZE AS DIFFUSER NECK, UNLESS SHOWN OTHERWISE.
- T. RIGID DUCTWORK SHALL BE UTILIZED FOR ALL RUNOUTS TO DIFFUSERS IN OPEN CEILING AREAS.
- U. CONTRACTOR SHALL BALANCE ALL HVAC SYSTEMS IN ACCORDANCE WITH THE MECHANICAL SPECIFICATIONS. SUBMIT COPIES OF TEST & BALANCE REPORT TO TENANT, LANDLORD AND ENGINEER.
- V. THE SPACE ABOVE THE CEILING IS DESIGNED AS A RETURN AIR PLENUM. ALL CONSTRUCTION MATERIALS ABOVE CEILING SHALL BE NON-COMBUSTIBLE, AND SHALL HAVE MAXIMUM FLAME SPREAD/FUEL CONTRIBUTED/SMOKE DEVELOPED RATING OF 25/25/50 IN ACCORDANCE WITH UL 723, NFPA 90A AND ASTM E84. WIRING SHALL BE LABELED PLENUM RATED PER NFPA 70, OR INSTALLED IN CONDUIT. THIS ALSO APPLIES TO ALL EXISTING MATERIALS.



1 LOWER LEVEL MECHANICAL PLAN

M101 KEY NOTES

- CONTRACTOR TO PROVIDE AND INSTALL NEW AIR HANDLING UNIT & ASSOCIATED CONDENSING UNIT. CONTRACTOR TO PROVIDE SECONDARY DRAIN PAN WITH WET SWITCH. REFER TO HVAC EQUIPMENT SCHEDULE ON SHEET M-800 FOR ACCESSORIES PROVIDED WITH UNITS.
- 2. FURNISHED AND INSTALL REFRIGERANT PIPING SYSTEM, COORDINATE LOCATION OF REFRIGERANT PIPE AND SLEEVE THRU WALL IN FIELD, REUSE EXISTING SLEEVE THRU WALL IF POSSIBLE.
- 3. CONDENSATE PIPING SYSTEM FURNISHED AND INSTALLED BY CONTRACTOR, PROVIDE CONDENSATE PUMP LITTLE GIANT OR EQUAL (CP-2) AND SECONDARY DRAIN PAN WITH WET SWITCH. TRAP CONDENSATE PIPE AND TERMINATE AHU CONDENSATE OVER JANITOR SINK WITH 2" AIR GAP IN BOILER ROOM. INTERLOCK WET SWITCH WITH AHU TO SHUT DOWN UNIT UPON DETECTION OF WATER.
- 4. FURNISH AND INSTALL DUCT SMOKE DETECTOR FURNISHED BY ELECTRICAL CONTRACTOR IN MAIN RETURN AIR DUCT. INTERLOCK WITH HVAC UNIT FOR AUTOMATIC SHUTDOWN OF UNIT UPON DETECTION OF SMOKE. CONNECTION OF DUCT DETECTOR TO FIRE ALARM SYSTEM, IF REQUIRED, WILL BE BY ELECTRICAL CONTRACTOR.
- 5. FURNISH AND INSTALL MOTORIZED OUTSIDE AIR DAMPER. DAMPER SHALL BE POWERED OPEN AND CLOSED UPON HVAC UNIT SHUTDOWN.
- 6. RETURN AIR GRILLE WITH VOLUME DAMPER.
- INSTALL 1" THICK DUCTLINER IN DUCTWORK SHOWN DASHED, MINIMUM 12-FEET FROM UNIT CONNECTION.
- 8. CONDENSING UNIT TO BE MOUNTED ON CONCRETE BASE AT GRADE LEVEL, COORDINATE EXACT LOCATION IN THE FIELD. SEE DETAIL 7/M-700.
- 9. REFRIGERANT PIPING UP TO FLOOR ABOVE, SEE SHEET M111 FOR CONTINUATION.
- 10. INSTALL AHU-1 THERMOSTAT AT 48" AFF. HVAC CONTRACTOR TO LABEL ALL THERMOSTATS WITH THE UNIT NUMBER THEY SERVE.





1 FIRST FLOOR MECHANICAL PLAN

M111 KEY NOTES

- CONTRACTOR TO PROVIDE AND INSTALL NEW AIR HANDLING UNIT & ASSOCIATED CONDENSING UNIT. CONTRACTOR TO PROVIDE SECONDARY DRAIN PAN WITH WET SWITCH. REFER TO HVAC EQUIPMENT SCHEDULE ON SHEET M-800 FOR ACCESSORIES PROVIDED WITH UNITS.
- 2. FURNISHED AND INSTALL REFRIGERANT PIPING SYSTEM, COORDINATE LOCATION OF REFRIGERANT PIPE AND SLEEVE THRU WALL IN FIELD, REUSE EXISTING SLEEVE THRU WALL IF POSSIBLE.
- 3. CONDENSATE PIPING SYSTEM FURNISHED AND INSTALLED BY CONTRACTOR, PROVIDE CONDENSATE PUMP LITTLE GIANT OR EQUAL (CP-3) AND SECONDARY DRAIN PAN WITH WET SWITCH. TRAP CONDENSATE PIPE AND TERMINATE AHU CONDENSATE OVER FLOOR DRAIN WITH 2" AIR GAP IN KITCHEN. INTERLOCK WET SWITCH WITH AHU TO SHUT DOWN UNIT UPON DETECTION OF WATER.
- 4. FURNISH AND INSTALL DUCT SMOKE DETECTOR FURNISHED BY ELECTRICAL CONTRACTOR IN MAIN RETURN AIR DUCT. INTERLOCK WITH HVAC UNIT FOR AUTOMATIC SHUTDOWN OF UNIT UPON DETECTION OF SMOKE. CONNECTION OF DUCT DETECTOR TO FIRE ALARM SYSTEM, IF REQUIRED, WILL BE BY ELECTRICAL CONTRACTOR.
- FURNISH AND INSTALL MOTORIZED OUTSIDE AIR DAMPER. DAMPER SHALL BE POWERED OPEN AND CLOSED UPON HVAC UNIT SHUTDOWN.
- 6. RETURN AIR GRILLE WITH OPPOSED BLADE VOLUME DAMPER.
- INSTALL 1" THICK DUCTLINER IN DUCTWORK SHOWN DASHED, MINIMUM 12-FEET FROM UNIT CONNECTION.
 REFRIGERANT PIPING DOWN TO FLOOR BELOW, SEE SHEET M101
- FOR CONTINUATION.
- 9. INSTALL AHU-2 THERMOSTAT AT 48" AFF. HVAC CONTRACTOR TO LABEL ALL THERMOSTATS WITH THE UNIT NUMBER THEY SERVE.





FIRST FLOOR MECHANICAL

Plan

1 - 1 - 1

 $|\rangle|$



1 SECOND FLOOR MECHANICAL PLAN

M121 KEY NOTES







1 THIRD FLOOR MECHANICAL PLAN

M131 KEY NOTES

- CONTRACTOR TO PROVIDE NEW COMMERCIAL 7-DAY PROGRAMMABLE THERMOSTAT FOR RTU CONTROL. MOUNT AT 4'-0" A.F.F. REFER TO SPECIFICATION SECTION 15906. LABEL THERMOSTAT WITH UNIT NUMBER.
- PROVIDE 4-WAY THROW CONCENTRIC DIFFUSER. SEE DETAIL 1/M700.
- 3. INSTALL 1" THICK DUCTLINER IN SUPPLY AND RETURN DUCTWORK.



CHARLES THOMPSON MEMORIAL HALL	Rehabilitation, HVAC Upgrade, and Additid	1824 Marshall Avenue, Saint Paul, MN 55104	DRAWN BY TMS CHECKED BY CDS/RLL	DATE 11/XX/20 REVISIONS
Tł M	HIRD ECH P) FL(IAN LAN	DC ICA)R AL
\bigvee	/ /		3	1





M141 KEY NOTES

- CONTRACTOR TO PROVIDE AND INSTALL NEW ROOFTOP HVAC UNIT ON NEW ROOF CURB. COORDINATE LOCATION OF ROOFTOP UNIT WITH OWNER'S FIELD REPRESENTATIVE. LOCATION ON DRAWING IS APPROXIMATE ONLY. ABIDE BY MANUFACTURER'S CLEARANCE RECOMMENDATIONS. EXTEND FULL SIZE SA & RA DUCTS THRU ROOF. BALANCE TO 3,000 CFM SUPPLY AIR AND 300 CFM OUTSIDE AIR.
- 2. CONTRACTOR TO PROVIDE AND INSTALL NEW ROOFTOP HVAC UNIT ON NEW ROOF CURB. COORDINATE LOCATION OF ROOFTOP UNIT WITH OWNER'S FIELD REPRESENTATIVE. LOCATION ON DRAWING IS APPROXIMATE ONLY. ABIDE BY MANUFACTURER'S CLEARANCE RECOMMENDATIONS. EXTEND FULL SIZE SA & RA DUCTS THRU ROOF. BALANCE TO 4,000 CFM SUPPLY AIR AND 260 CFM OUTSIDE AIR.
- EXTEND 1"CONDENSATE PIPING WITH 4" DEEP TRAP TO SPLASH BLOCK ON ROOF. PROVIDE 2"AIR GAP AT DISCHARGE.
- 4. FURNISH AND INSTALL DUCT SMOKE DETECTOR FURNISHED BY ELECTRICAL CONTRACTOR IN MAIN RETURN AIR DUCT. INTERLOCK WITH HVAC UNIT FOR AUTOMATIC SHUTDOWN OF UNIT UPON DETECTION OF SMOKE. CONNECTION OF DUCT DETECTOR TO FIRE ALARM SYSTEM, IF REQUIRED, WILL BE BY ELECTRICAL CONTRACTOR.









<u>M211 KEY NOTES</u>





1 SECOND FLOOR PIPING PLAN 1/4" = 1'-0"

<u>M221 KEY NOTES</u> 1. XXX







1 THIRD FLOOR PIPING PLAN

<u>M231 KEY NOTES</u> 1. XXX.























I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: Richard L. Lucio

	REVISIONS		
No.	Description	Date	





FAN SCHEDULE				
UNIT TAG	EF-1	EF-2	EF-3	
MANUFACTURER	YORK (PENNBARRY)	YORK (PENNBARRY)	YORK (PENNBARRY	
MDDEL NUMBER	CIS095RC	CIS095RC	CIS095RC	
SERVICE	RESTROOMS (LL)	RESTROOMS (1ST)	RESTROOMS (ADD.)	
FAN TYPE	INLINE	INLINE	INLINE	
CFM	480	140	70	
TOTAL STATIC PRESSURE ("W	C> 0.50	0.50	0.50	
FAN (RPM)	1550	1550	1550	
DRIVE	DIRECT	DIRECT	DIRECT	
MOTOR BHP	-	-	-	
MOTOR HP	1/6	1/6	1/12	
ELECTRICAL (VOLTS/PH)	120/1	120/1	120/1	
DPERATING WEIGHT (LBS)	50	50	50	
REMARKS	1, 2	1, 2	1, 2	
REMARKS REMARKS	1, 2	1, 2	1, 2	

BOILER SCI	HEDULE			B X X
UNIT TAG	B-1	B-2	B-3	B-4
LOCATION	MECHANICAL ROOM	MECHANICAL ROOM	MECHANICAL ROOM	MECHANICAL ROOM
MANUFACTURER	LOCHINVAR	LOCHINVAR	LOCHINVAR	LOCHINVAR
MODEL NUMBER	KNIGHT KHB285N	KNIGHT KHB285N	KNIGHT KHB285N	KNIGHT KHB285N
TYPE	CONDENSING BOILER	CONDENSING BOILER	CONDENSING BOILER	CONDENSING BOILER
HOT WATER			•	
INPUT/OUTPUT MBH	285/264	285/264	285/264	285/264
GPM/WPD	27/2.42	27/2.42	27/2.42	27/2.42
EWT/LWT	160/180-120/140	160/180-120/140	180/160-140/120	180/160-140/120
WATER VOL FULL	4.9	4.9	4.9	4.9
ELECTRICAL				
V-PH-CY	120/1/60	120/1/60	120/1/60	120/1/60
STARTER	DIV. 23	DIV. 23	DIV. 23	DIV. 23
DISCONNECT	DIV. 26	DIV. 26	DIV. 26	DIV. 26
OPERATING WEIGHT (LBS)	205	205	205	205
REMARKS	-	Х	X	Х
NOTES: 1. CONDENSING BOILER DESIGN. 2. SUITABLE FOR 1000 BTU/H PER CUBIC FOOT NATURAL GAS. 3. 75 PSIG WORKING PRESSURE 4. SINGLE POINT POWER CONNECTION. 5. PROVIDE CONTROL PANEL TO CONTROL BOILERS IN UNISON. 6. PROVIDE ALL NECESSARY SUPPLY HEADER, RETURN HEADER, AND OUTSIDE AIR TEMPERATURE SENSORS AS REQUIRED TO ALLOW FOR BOILERS TO BE CONTROLLED TOGETHER AND OUTSIDE AIR TEMPERATURE RESET. 7. PROVIDE SCHEDULE 40 PVC COMBUSTION AIR VENT. 8. PROVIDE AL-29-4C GAS VENT. 9. PROVIDE AL-29-4C GAS VENT. 9. PROVIDE ALCID NEUTRALIZATION TRAP. PIPE CONDENSATE DRAIN FROM TRAP TO NEAREST FLOOR DRAIN. 10. PROVIDE PRIMARY PUMP WITH EC MOTOR.				

<u>REMARKS</u> 1. PROVIDE WITH HANGING VIBRATION ISOLATION KIT, DISCONNECT. 2. INTERLOCK WITH LIGHTS.

ROOFTOP AIR CONDITIONING UNIT SCHEDULE (COOLING ONLY)

MARK	RTU-1	RTU-2	RTU-3
NOMINAL TONS	7.5	7.5	10.0
MANUFACTURER	CARRIER	CARRIER	CARRIER
MDDEL No.	50HC-G08A2	50HC-G08A2	50HC-E11A2
SERVICE	ASSEMBLY HALL	ASSEMBLY HALL	NEW ADDITION
SUPPLY AIR CFM	3,000	3,000	4,000
MIN. DUTDOOR AIR CFM	300	300	260
ESP ("WC)	0.75	0.75	0.75
BHP	1.14	1.14	2.31
HP	2.4	2.4	3.7
FAN RPM	760	760	935
HEATING INPUT/OUTPUT (MBH)			
No. DF HEATING STAGES			
HEATING EAT/LAT (°F)			
No. DF CDDLING STAGES	2	2	2
TOTAL COOLING CAPACITY (MBH)	86.39	86.39	110.53
SENSIBLE COOLING CAPACITY (MBH)	70.99	70.99	85.78
REFRIGERANT TYPE	R410A	R410A	R410A
EER	12.2	12.2	12.0
COOLING EAT DB/WB (*F)	76.0/63.0	76.0/63.0	75.0/62.0
COOLING LAT DB/WB (°F)	53.4/53.0	53.4/53.0	54.2/52.2
FILTER EFF (%)	30	30	30
MCA	41.0	41.0	54.0
МПСР	50	50	60
ELECTRICAL (VOLT/PH)	208/3	208/3	208/3
DPERATING WEIGHT (LBS)	1154	1154	1397
REMARKS	1,2	1,2	1,2

REMARKS: 1. PROVIDE WITH MINIMUM 14" HIGH ROOF CURB, BAROMETRIC FELIEF AND POWERED EXHAUST, ECONOMIZER WITH DIFFERENTIAL ENTHALPY CONTROL, ECONOMIZER FAULT DETECTION & DIAGNOSTIC, COIL HAIL GUARD, RETURN AIR SMOKE DETECTOR, HACR CIRCUIT DISCONNECT, UNPOWERED CONVENIENCE RECEPTACLE, BACNET CARD, VFD WITH TWO-SPEED CONTROL, DIAGNOSTIC, AID, DETURNE AND AND OUTPOOD AND TEMPEDATURE SENSORS 2" MERV 8

DISCHARGE AIR, RETURN AIR AND OUTDOOR AIR TEMPERATURE SENSORS, 2" MERV 8 FILTERS, 5 YEAR COMPRESSOR WARRANTY. 2. LANDLORD SHALL START-UP RTUS AFTER PERMANENT POWER INSTALLATION TO ENSURE PROPER OPERATION AND SUBMIT START-UP REPORT TO H&M FOR APPROVAL.

AIR HANDLING UNIT SCHEDULE			
MARK	AHU-1	AHU-2	
MANUFACTURER	CARRIER	CARRIER	
MDDEL No.	40RUAA08	40RUA12	
SIZE	7.5 TONS	10.0 TONS	
TYPE	HORIZONTAL	HORIZONTAL	
SERVICE	LOWER LVL	1ST FLOOR	
SUPPLY AIR CFM	3,500	4,600	
MIN. DUTDOOR AIR CFM	180	350	
ESP ("WC)	0.75	0.75	
FAN TYPE	FC	FC	
ВНР	1.70	2.94	
HP	2.4	3.7	
FAN RPM	874	986	
COOLING COIL TOTAL CAPACITY (MBH	91.5	118.5	
COOLING COIL SENS CAPACITY (MBH)	75.4	101.7	
COOLING COIL EAT (DB/WB-*F)	75.2/61.7	75.3/61.9	
COOLING COIL LAT (DB/WB-*F)	54.7/52.4	54.2/52.8	
HEATING COIL TOTAL CAPACITY (KW)			
HEATING COIL EAT/LAT (DB-*F)			
HEATING STAGES			
FILTER EFF (%)	30.0	30.0	
MCA	9.0	14.0	
МПСР	15	20	
ELECTRICAL (VOLT/PH)	208/3/60	208/3/60	
DPERATING WEIGHT (LBS)	404	425	
REMARKS	1,2,3,4	1,2,3,4	

VFD WITH TWO-SPEED CONTROL.
 UNIT MOUNTED HACR DISCONNECT.
 SPRING VIBRATION ISOLATORS.
 2" MERV 8 FILTERS.

CONDENSING UNIT			
SCHEDULE			
UNIT TAG	CU-1	CU-2	
LOCATION	DN GRADE	DN GRADE	
MANUFACTURER	CARRIER	CARRIER	
MODEL NUMBER	38AUZB-08	38AUZB-012	
SER∨ICE	AHU-1	AHU-2	
REFRIGERANT TYPE	R-410A	R-410A	
NOMINAL CAPACITY (TON	> 7,5	10.0	
EER/IPL∨ (COMBINED)	11.2 EER	11.2 EER	
CIRCUITS (DUAL, SINGLE	> 1	1	
COMPRESSOR			
TYPE	SCROLL	SCROLL	
QUANTITY	1	1	
UNLOADING %	-	-	
CONDENSER			
NUMBER DF FANS	2	2	
HP	1/4 HP	1/4 HP	
MBH (OUTPUT)	91.5	118.5	
AMBIENT AIR TEMP	95.0	95.0	
REFR SUCTION TEMP	45 ° F	45 ° F	
REFRIGERANT PIPE SIZE	2		
LIQUID	PER MANUF.	PER MANUF.	
SUCTION	PER MANUF.	PER MANUF.	
HOT GAS	PER MANUF.	PER MANUF.	
ELECTRICAL			
MCA	35.0	39.0	
V-PH-CY	208/3/60	208/3/60	
STARTER	DIV. 23	DIV. 23	
DISCONNECT	DIV. 23	DIV. 23	
DPERATING WEIGHT (LBS	> 391	490	
REMARKS	1, 2, 3	1, 2, 3	

<u>REMARKS</u>: 1. MOUNT ON VIBRATION SPRING ISOLATORS ON CONCRETE PAD. 2. LOW AMBIENT CONTROLS, UNPOWERED CONVENIENCE RECEPTACLE. 3. PROVIDE HAIL GUARDS AND 5 YEAR COMPRESSOR WARRANTY.









I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: Richard L. Lucio

SIGNATURE: DATE: _____

revisions				
No.	Description		Date	



S THOMPSON MEMORIAL HALL	tation, HVAC Upgrade, and Addition	hall Avenue, Saint Paul, MN 55104	TMS CHECKED BY CDS/RLL	11/XX/20 REVISIONS	
CHARLES TH	Rehabilitatio	1824 Marshall A	DRAWN BY TMS	DATE 11/X	
MECHANICAL SCHEDULES					

M800

GENERAL MECHANICAL NOTES

- A. ALL REFERENCES ON THE DRAWINGS AND IN THE SPECIFICATIONS TO "CONTRACTOR" AND 'MECHANICAL CONTRACTOR" REFER TO THE TENANT'S MECHANICAL CONTRACTOR, UNLESS NOTED OTHERWISE.
- B. ALL WORK SHOWN AND SPECIFIED HEREIN SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE.
- C. THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID, INCLUDING ALL EXISTING EQUIPMENT, DUCTWORK, PIPING, STUB-INS, TAPS, ETC. NO CLAIMS FOR EXTRAS DUE TO LACK OF FAMILIARITY WITH SITE CONDITIONS WILL BE APPROVED.
- D. THE CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR ALL DIVISIONS OF WORK AND SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL HIS SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.
- E. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND SHALL NOT BE SCALED. THE CONTRACTOR SHALL FIT THE WORK TO THE JOB, CAREFULLY INVESTIGATING STRUCTURAL, MECHANICAL, ELECTRICAL AND FINISH CONDITIONS AFFECTING THE WORK, AND SHALL FURNISH AND INSTALL ALL NECESSARY BENDS, OFFSETS, FITTINGS, JUNCTIONS, ETC. WHETHER OR NOT SPECIFICALLY SHOWN OR CALLED FOR, AND SEE THAT THERE ARE NO INTERFERENCES BETWEEN THIS WORK AND THE WORK OF OTHER TRADES.
- F. PROVIDE ALL EQUIPMENT AND MATERIALS, AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY APPLICABLE CODES.
- G. INSTALL ALL MECHANICAL EQUIPMENT, MATERIALS AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, THE CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
- H. ALL EQUIPMENT, MATERIALS AND INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LANDLORD CRITERIA.
- I. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS THAT ARE NOT DIMENSIONED ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS SHALL BE BASED ON SITE CONDITIONS. INSTALL ALL EQUIPMENT AS REQUIRED TO MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES.
- J. COORDINATE DIFFUSER, REGISTER AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN, LIGHTING, AND OTHER CEILING-MOUNTED ITEMS, AND MAKE MINOR ADJUSTMENTS IN DIFFUSER LOCATIONS AND DUCTWORK AS REQUIRED.
- K. ALL ROOF CUTTING, PATCHING AND FLASHING REQUIRED TO INSTALL THE MECHANICAL SYSTEMS SHALL BE BY A LANDLORD-APPROVED ROOFING CONTRACTOR AT THIS CONTRACTOR'S EXPENSE. COORDINATE ROOF PENETRATIONS WITH LANDLORD AND GENERAL CONTRACTOR.
- L. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO LANDLORD'S BASE BUILDING SYSTEMS. RE-USE EXISTING CONNECTION POINTS WHERE POSSIBLE. COORDINATE ALL REQUIREMENTS IN FIELD WITH LANDLORD.
- M. NOTIFY TENANT'S PROJECT MANAGER IF ANY EXISTING DUCTWORK OR PIPING CONNECTION POINTS ARE SMALLER THAN SIZES SHOWN ON DRAWINGS.
- N. CONTRACTOR SHALL CLEAN AND SERVICE ALL EXISTING MECHANICAL EQUIPMENT THAT IS BEING RE-USED. REPAIR OR REPLACE UNIT COMPONENTS AS REQUIRED TO MAKE UNIT FULLY FUNCTIONAL, INCLUDING BUT NOT LIMITED TO: FANS, MOTORS, DRIVES, BELTS, BEARINGS, COILS, HEAT EXCHANGERS, REFRIGERATION, DAMPERS, DAMPER MOTORS, VALVES, AND OPERATING AND SAFETY CONTROLS. CHANGE FILTERS UPON COMPLETION OF SERVICE WORK AND JUST PRIOR TO JOB TURNOVER.
- O. EXISTING DUCTWORK MAY BE RE-USED WHERE EXISTING DUCT SIZES AND CONDITIONS MEET OR EXCEED THOSE SHOWN AND SPECIFIED. DUCT SIZES SHOWN ON DRAWINGS ARE MINIMUM REQUIRED SIZES. CLEAN ALL RE-USED DUCTWORK THOROUGHLY PRIOR TO CONNECTION TO NEW. INSULATE EXISTING DUCTWORK BEING RE-USED AS REQUIRED TO MEET SPECIFICATIONS FOR NEW DUCTWORK. DO NOT RE-USE LINED DUCTWORK.
- P. REMOVE ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING SYSTEMS, CONTROLS, ETC. NOT BEING RE-USED. DO NOT ABANDON IN PLACE. MAINTAIN SERVICES PASSING THROUGH SPACE TO OTHER TENANT SPACES.
- Q. CONTRACTOR MAY, AT HIS OPTION, INSTALL ROUND SPIRAL DUCTWORK OF EQUIVALENT CAPACITY IN LIEU OF RECTANGULAR DUCTWORK SHOWN AS LONG AS CEILING HEIGHTS ARE NOT AFFECTED.
- R. FIBERGLASS DUCTBOARD IS NOT ALLOWED.
- S. BRANCH DUCT RUNOUTS TO DIFFUSERS SHALL BE SAME SIZE AS DIFFUSER NECK, UNLESS SHOWN OTHERWISE.
- T. RIGID DUCTWORK SHALL BE UTILIZED FOR ALL RUNOUTS TO DIFFUSERS IN OPEN CEILING AREAS.
- U. CONTRACTOR SHALL BALANCE ALL HVAC SYSTEMS IN ACCORDANCE WITH THE MECHANICAL SPECIFICATIONS. SUBMIT COPIES OF TEST & BALANCE REPORT TO TENANT, LANDLORD AND ENGINEER.
- V. THE SPACE ABOVE THE CEILING IS DESIGNED AS A RETURN AIR PLENUM. ALL CONSTRUCTION MATERIALS ABOVE CEILING SHALL BE NON-COMBUSTIBLE, AND SHALL HAVE MAXIMUM FLAME SPREAD/FUEL CONTRIBUTED/SMOKE DEVELOPED RATING OF 25/25/50 IN ACCORDANCE WITH UL 723, NFPA 90A AND ASTM E84. WIRING SHALL BE LABELED PLENUM RATED PER NFPA 70, OR INSTALLED IN CONDUIT. THIS ALSO APPLIES TO ALL EXISTING MATERIALS.



P101 KEY NOTES

- 1. EXTEND AND CONNECT NEW 4" SANITARY SEWER TO EXISTING 4" (MIN) SANITARY SEWER PIPING. FIELD VERIFY EXACT LOCATION, SIZE, FLOW DIRECTION, AND INVERT ELEVATION OF CONNECTION POINT PRIOR TO ROUGH-IN OF NEW SANITARY SEWER. PROVIDE FCO AT POINT OF CONNECTION TO EXISTING.
- 2. EXTEND AND CONNECT EXISTING COLD WATER AND HOT WATER PIPING TO NEW 1-1/2" COLD WATER AND HOT WATER PIPING. FIELD VERIFY EXACT LOCATION OF EXISTING CW & HW PIPING PRIOR TO ROUGH-IN. PROVIDE SHUTOFF VALVE AT POINT OF CONNECTION TO NEW PIPING.
- 3. EXTEND AND CONNECT NEW 2" VENT PIPING TO EXISTING 8"x8" VENT CHASE IN WALL. FIELD VERIFY EXACT LOCATION AND SIZE OF VENT CHASE OPENING PRIOR TO ROUGH-IN OF NEW VENT SYSTEM.
- 4. PROVIDE TRAP PRIMER ABOVE CEILING WITH ACCESSIBLE SHUT-OFF VALVE, AND DISTRIBUTOR AS REQUIRED. EXTEND 1/2" PIPING TO EACH FLOOR DRAIN.
- 5. PROVIDE THERMOSTATIC MIXING VALVE.
- 6. HOT WATER RECIRCULATION BALANCING VALVE WITH FLOW MEASUREMENT ORIFICES. SET FOR 1.0 GPM. MOUNT VALVE 1' ABOVE THE CEILING.
- 7. COORDINATE THE INSTALLATION OF THE INLINE HOT WATER RECIRCULATION PUMP CP-1, EXPANSION TANK AND CHECK VALVE ASSEMBLY.
- REPLACE EXISTING GAS WATER HEATER WITH NEW A.O. SMITH BTR-154 GAS WATER HEATER, CONNECT NEW GAS PIPING TO EXISTING GAS PIPING AND NEW 6"Ø FLUE TO EXISTING CHIMMNEY STACK. SEE DETAIL 3/P700.
- 9. EXISTING 6" SANITARY SEWER MAIN TO REMAIN. SNAKE ALL EXISTING SANITARY SEWER PIPING OUT TO STREET.
- 10. EXTEND 4" SANITARY SEWER PIPING UP TO 1ST FLOOR LEVEL, SEE SHEET P111 FOR CONTINUATION.
- 11. EXTEND 1/2" CW AND HW PIPING UP TO 1ST FLOOR LEVEL, SEE SHEET P111 FOR CONTINUATION. FIELD VERIFY EXACT LOCATION OF CW AND HW PIPING PRIOR TO ROUGH-IN.
- 12. PROVIDE UTILITY-GRADE WATER METER WITH REMOTE READER TO READ IN GALLONS. INSTALL REMOTE READER IN BOILER ROOM.
- 13. PROVIDE DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTER (BFP-1) WITH ISOLATION VALVES AT 36"AFF.
- 14. UPGRADE EXISTING WATER SERVICE TO THE BUILDING WITH A NEW 6" FIRE/WATER SERVICE MAIN. SEE DETAIL 4/P700.
- 15. VERIFY EXACT LOCATION OF SUMP PIT WITH ESCALATOR/ELEVATOR MANUFACTURER/PROVIDER. SEE DETAIL 5/P700.
- 16. ROUTE 2" FORCED/PUMPED SANITARY PIPING BELOW GRADE, THEN UP WALL CHASE TO STRUCTURE ABOVE, RUN TIGHT TO STRUCTURE. VERIFY ALL ROUTING IN FIELD, PLANS ARE DIAGRAMMATIC IN NATURE. ALL PIPING SHALL BE METALLIC PIPING NO PVC ALLOWED.
- 17. ROUTE AND TERMINATE SUMP PUMP DISCHARGE OVER EXISTING JANITOR SINK WITH 4" AIR GAP.





P111 KEY NOTES

- EXTEND AND CONNECT NEW 2" VENT PIPING TO EXISTING 8"x8" VENT CHASE IN WALL. FIELD VERIFY EXACT LOCATION AND SIZE OF VENT CHASE OPENING PRIOR TO ROUGH-IN OF NEW VENT SYSTEM.
- 2. PROVIDE TRAP PRIMER WITH ACCESSIBLE SHUT-OFF VALVE, AND DISTRIBUTOR AS REQUIRED. EXTEND 1/2" PIPING TO EACH FLOOR DRAIN.
- 3. PROVIDE THERMOSTATIC MIXING VALVE.
- 4. EXTEND 4" SANITARY SEWER PIPING UP FROM FLOOR BELOW.
- 5. EXTEND 1/2" CW AND HW PIPING UP FROM FLOOR BELOW. FIELD VERIFY EXACT LOCATION OF CW AND HW PIPING PRIOR TO ROUGH-IN.





FIRST FLOOR PLUMBING PLAN

D11





<u>^</u>1-1/2"

 $\langle P2 \rangle$



- EXTEND AND CONNECT NEW 4" SANITARY SEWER TO EXISTING 4" (MIN) SANITARY SEWER PIPING. FIELD VERIFY EXACT LOCATION, SIZE, FLOW DIRECTION, AND INVERT ELEVATION OF CONNECTION POINT PRIOR TO ROUGH-IN OF NEW SANITARY SEWER. PROVIDE FCO AT POINT OF CONNECTION TO EXISTING.
- 2. EXTEND AND CONNECT EXISTING COLD WATER AND HOT WATER PIPING TO NEW 1-1/2" COLD WATER AND HOT WATER PIPING. FIELD VERIFY EXACT LOCATION OF EXISTING CW & HW PIPING PRIOR TO ROUGH-IN. PROVIDE SHUTOFF VALVE AT POINT OF CONNECTION TO NEW PIPING.
- 3. EXTEND AND CONNECT NEW 2" VENT PIPING TO EXISTING 8"x8" VENT CHASE IN WALL. FIELD VERIFY EXACT LOCATION AND SIZE OF VENT CHASE OPENING PRIOR TO ROUGH-IN OF NEW VENT SYSTEM.
- 4. PROVIDE TRAP PRIMER ABOVE WITH ACCESSIBLE SHUT-OFF VALVE, AND DISTRIBUTOR AS REQUIRED. EXTEND 1/2" PIPING TO EACH FLOOR DRAIN.
- 5. PROVIDE THERMOSTATIC MIXING VALVE. 6. HOT WATER RECIRCULATION BALANCING VALVE WITH FLOW MEASUREMENT
- ORIFICES. SET FOR 1.0 GPM. MOUNT VALVE 1' ABOVE THE CEILING.
- COORDINATE THE INSTALLATION OF THE INLINE HOT WATER RECIRCULATION PUMP CP-1, EXPANSION TANK AND CHECK VALVE ASSEMBLY.
- 8. REPLACE EXISTING GAS WATER HEATER WITH NEW A.O. SMITH BTR-154 GAS WATER HEATER, CONNECT NEW GAS PIPING TO EXISTING GAS PIPING AND NEW 6"Ø FLUE TO EXISTING CHIMMNEY STACK. 9. EXISTING SANITARY SEWER MAIN TO REMAIN. SNAKE ALL EXISTING SANITARY
- SEWER PIPING OUT TO STREET. 10. EXTEND 4" SANITARY SEWER PIPING UP TO 1ST FLOOR LEVEL, SEE SHEET
- P111 FOR CONTINUATION. 11. EXTEND 1/2" CW AND HW PIPING UP TO 1ST FLOOR LEVEL, SEE SHEET P111 FOR CONTINUATION. FIELD VERIFY EXACT LOCATION OF CW AND HW PIPING
- PRIOR TO ROUGH-IN. 12. PROVIDE UTILITY-GRADE WATER METER WITH REMOTE READER TO READ IN GALLONS. INSTALL REMOTE READER IN BOILER ROOM.
- PROVIDE DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTER (BFP-1) WITH ISOLATION VALVES AT 36"AFF.
- 14. UPGRADE EXISTING WATER SERVICE TO THE BUILDING WITH A NEW 1-1/2" WATER SERVICE MAIN.



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: <u>Richard L. Lucio</u>

SIGNATURE:

REVISIONS					
No.	Description	Date			



DMPSON MEMORIAL HALL	tation, HVAC Upgrade, and Addition	hall Avenue, Saint Paul, MN 55104	CDS/RLL	REVISIONS		
			CHECKED BY	20		
S TH(TMS	11/XX/2		
CHARLE	Rehabili	1824 Mars	DRAWN BY	DATE		
PLUMBING RISER DIAGRAMS						

P60



SECURE RIM FLUSH WITH FINISHED FLOOR \sim

···· · · · · · · · · ·

FIREPROOF CAULK / (UPPER FLOORS)

EIGHT BEND-

















5






FIXTURE FIXTURE TYPE		MANUFACTURER	TYPE & MODEL	TRIM/FAUCET	SUPPORT	PIPE SIZES					REMARKS
NO.			NO.	NO.		TRAP	WASTE	VENT	CW	НW	
P1	WATER CLOSET	AMERICAN STANDARD	CADET NO. (WHITE) 2467.016	CHICAGO FAUCET 1016	FLOOR MOUNT	-	4"	2"	1/2"	-	VITREOUS CHINA, ADA COMPLIANT, 1.6 GPF, PRESSURE ASSISTED, WITH OPE FRONT COMMERCIAL GRADE SEAT WITH CHECK HINGE AND CHROME TRIP LET
P2	LAVATORY	AMERICAN STANDARD	LUCERNE (WHITE) 0355.012	CHICAGO FAUCET 802-A317CP	WALL HUNG	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	PROVIDE INSULATED CHROME P-TRAP, PROVIDE HANDICAP INSULATION KIT, CHICAGO FAUCET 1016 ANGLE VALVES. PROVIDE CHICAGO NO. E2605.5 AERATOR, AND WALL CARRIER.
P3	URINAL	AMERICAN STANDARD	WASHBROOK (WHITE) 6501.511	MANUAL FLUSH VALVE	WALL MOUNT	-	3"	1-1/2"	3/4"	-	VITREOUS CHINA, ADA COMPLIANT, 1.0 GPF, MANUAL FLUSH VALVE.
P4	DRINKING FOUNTAIN			-	FLOOR MOUNT	1-1/2"	1-1/2"	1-1/2"	1/2"	-	EXISTING DRINKING FOUNTAIN TO REMAIN, REFURBISHED/RETRO-FIT UNIT TO WORKING ORDER.
TP	TRAP PRIMER VALVE	PRECISION PLUMBING	OREGON NO. 1	-	-	-	-	-	1/2"	-	PROVIDE DISTRIBUTION UNIT FOR MULTIPLE DRAIN CONNECTIONS.
F1	FLOOR DRAIN	J.R. SMITH	SERIES 2005	-	-	3"	3"	1-1/2"	-	-	FLAT STRAINER WITH POLISHED NICKEL BRONZE TOP, PROVIDE 1/2" TRAP CONNECTION WHERE INDICATED ON PLANS. POLISHED NICKEL BRONZE TOP.
FCO	FLOOR CLEAN OUT	J.R. SMITH	SERIES 4020	-	-	-	4"	-	-	-	POLISHED NICKEL BRONZE COVER.

	GAS WATER HEATER SCHEDULE								
UNIT NO.	MANUFACTURER	MODEL	BTU/HR	CAPACITY (GAL.)	STAGES	VOLTAGE	OUTPUT (GPH @ 100° RISE)	REMARKS	
GWH-1	A.O. SMITH	BTR-154	154,000	81	1	120/1/60	149.0	NEW GAS WATER HEATER.	

ITEM NO.	MANUFACTURER	MODEL	VOLTAGE	HP	GPM	FT. HD.	REMARKS
CP-1	BELL & GOSSETT	NBF-22U/LW	115/1/60	1/12	1.0	10	PROVIDE AQUASTAT FOR PUMP
SP-1	ZOELLER	153-0027	115/1/60	1/2	52.0	20	940-0013 PREPACKAGED SYSTE

BACKFLOW PREVENTE						
UNIT TAG	BFP					
MANUFACTURER	WAT					
MODEL NUMBER	00					
SERVICE	DOMESTIC					
TYPE	DOUBLE					
SIZE	1"					
REMARKS	1					

<u>REMARKS</u>: 1. ACCEPTABLE MANUFACTURERS; FEBCO, ZURN, AMES, CONBRACO.





CHARLES THOMPSON MEMORIA	🚆 🖉 🛛 Rehabilitation, HVAC Upgrade, and	면 됩 1824 Marshall Avenue, Saint Paul, MN 55104	デロ DRAWN BY TMS CHECKED BY CDS/RLL	C DATE 11/XX/20 REVISIONS				
P800								