

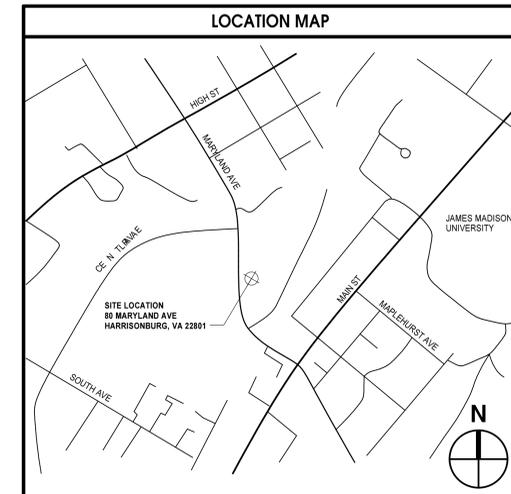
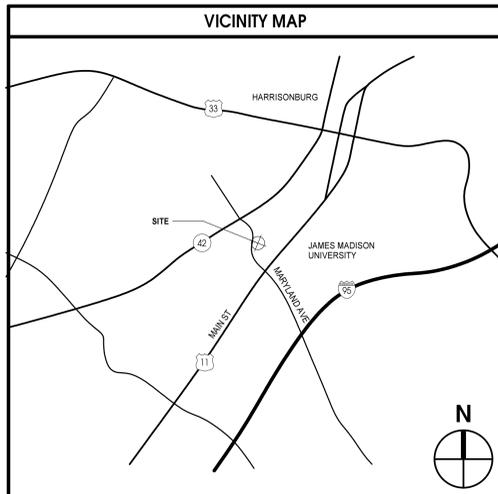
PERMIT REVIEW SET - MARCH 4, 2016

HARRISONBURG FIRE STATION #1

CITY OF HARRISONBURG, VIRGINIA HARRISONBURG, VIRGINIA

MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23230
PHONE (804) 794-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM



VALLEY ENGINEERING

CIVIL ENGINEERING

3231 PEOPLES DR, HARRISONBURG, VA 22801
(NO CIVIL DRAWINGS INCLUDED IN THIS SET)

(540) 434-6365

DRAWING INDEX

NO.	DESCRIPTION	NO.	DESCRIPTION
	COVER	P4.1	DETAILS
LS1.0	LIFE SAFETY	FP0.1	FIRE PROTECTION
LS1.1	CODE SUMMARY		LEGENDS, ABBREVIATIONS AND GENERAL NOTES
LS1.1	LIFE SAFETY INFORMATION		
	ARCHITECTURAL		MECHANICAL
A0.1	GENERAL ARCHITECTURAL INFORMATION	M0.1	LEGENDS, ABBREVIATIONS AND GENERAL NOTES
A0.2	WALL/PARTITION TYPES, WALL JOINTS AND TERMINATIONS	M0.2	SCHEDULES
A1.1.1	SITE PLAN	M1.1	DEMOLITION PLANS - MECHANICAL
A1.2.1	DEMOLITION PLANS	M1.2	ROOF DEMOLITION PLAN - MECHANICAL
A2.1	FLOOR PLANS	M2.1.1	FLOOR PLANS - DUCTWORK
A3.0.1	FINISH SCHEDULE	M2.1.2	FLOOR PLANS - PIPING
A3.1.1	DOOR AND FRAME SCHEDULE	M2.2	ROOF PLAN - MECHANICAL
A3.1.2	INTERIOR SIGNAGE	M4.1	SECTIONS
A7.1.1	TOILET ASSEMBLIES, SCHEDULE AND ENLARGED PLANS	M5.1	DETAILS
A8.1	CASEWORK AND ELEVATIONS	M6.1	VRF SYSTEM SCHEMATIC
A9.1	REFLECTED CEILING PLAN		ELECTRICAL
A10.1	ROOF PLAN	E0.1	LEGENDS, ABBREVIATIONS AND GENERAL NOTES
	STRUCTURAL	E1.0	ELECTRICAL - SITE PLAN
S0.1	GENERAL NOTES, LEGENDS AND FRAMING SECTIONS	E1.1	LIGHTING DEMOLITION PLANS
S1.1	FRAMING PLANS AND FOUNDATION SECTIONS	E1.2	ELECTRICAL DEMOLITION PLANS
	PLUMBING	E2.1.1	FIRST AND SECOND FLOOR PLANS - LIGHTING
P0.1	LEGENDS, ABBREVIATIONS AND GENERAL NOTES	E2.1.2	FIRST AND SECOND FLOOR PLANS - POWER
P1.0	FIRST AND SECOND FLOOR PLAN - DEMOLITION	E2.1.3	FIRST AND SECOND FLOOR PLANS - COMMUNICATIONS
P2.0	FOUNDATION PLAN	E2.1.4	FIRST AND SECOND FLOOR PLANS - MECH POWER
P2.1	FIRST AND SECOND FLOOR DOMESTIC - PLAN	E3.1	ROOF PLAN - POWER
P2.2	FIRST AND SECOND FLOOR SANITARY - PLAN	E4.1	ELECTRICAL DETAILS
P2.3	ROOF - PLAN	E5.1	POWER ONE-LINE DIAGRAM
P3.1	ENLARGED PLANS & RISER	E5.2	PANELBOARD SCHEDULES
P3.2	GAS RISER		HAZARDOUS MATERIALS (PROVIDED BY ROCKBRIDGE ENVIRONMENTAL CONSULTING, INC.)
		AB.1	ACM LOCATION PLANS

THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.
IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

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CITY OF HARRISONBURG, VIRGINIA
80 MARYLAND AVE, HARRISONBURG, VIRGINIA 22801

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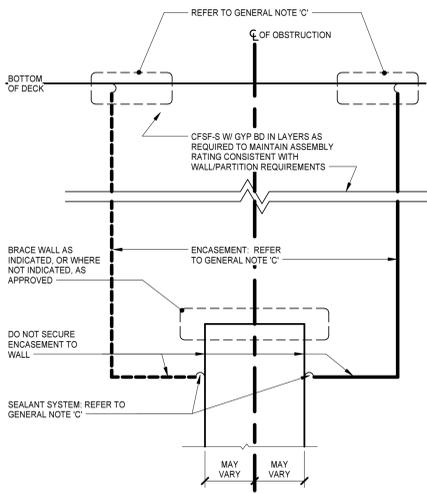
COVER

SET NO.

TERMINATION GENERAL NOTES

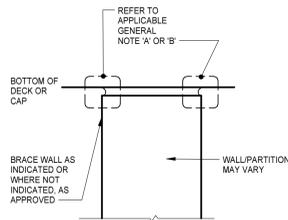
- A. AT FIRE, SMOKE, AND ACOUSTICALLY RATED WALLS: SEAL ALL NON-OBSERVED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED (E.G. CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES), OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS. BRACE WALL AS INDICATED OR REQUIRED.
- B. AT ALL OTHER WALLS INDICATED TO EXTEND TO UNDERSIDE OF FLOOR/ROOF DECK/ CAP: SEAL ALL NON-OBSERVED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED (E.G. CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES), OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES), OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES). BRACE WALL AS INDICATED OR REQUIRED.
- C. AT ALL WALLS PREVENTED FROM TERMINATING AT THE UNDERSIDE OF FLOOR/ROOF DECK BY OBSTRUCTIONS, COMPLY WITH THE FOLLOWING:
 - AT FIRE, SMOKE, AND ACOUSTICALLY-RATED WALLS: ENCASE OBSTRUCTION(S) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS.
 - AT SECURITY WALLS: TERMINATE IN ACCORDANCE WITH SECURITY PARTITION REQUIREMENTS.
 - AT OTHER WALLS: ENCASE OBSTRUCTION(S) ON ONE SIDE.
 - SEAL ENCASUREMENT TO WALL AND SEAL ENCASUREMENT TO DECK IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS AND TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS.

TERMINATIONS



HEAD-OF-WALL TERMINATION @ OBSTRUCTION

OBSTRUCTION MAY VARY (BEAM, JOIST, GIRDER, CHANNEL, DUCTWORK, PIPING)

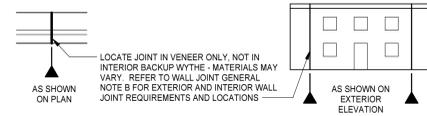


HEAD-OF-WALL TERMINATION @ NON-OBSSTRUCTION

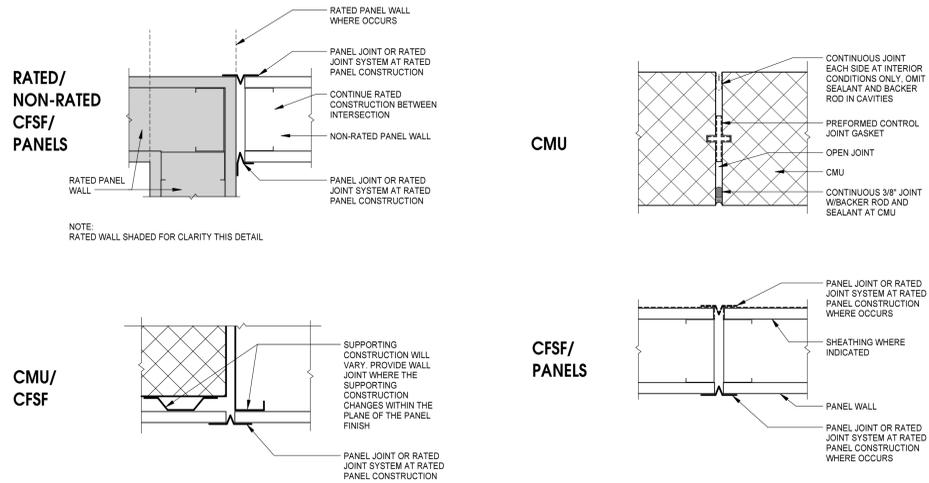
WALL JOINT GENERAL NOTES

- A. DRAWINGS MAY INDICATE AESTHETIC AND FUNCTIONAL WALL JOINTS.
- B. REFER TO SPECIFICATIONS AND REFERENCED STANDARDS FOR ADDITIONAL WALL JOINT REQUIREMENTS.
 - EXTERIOR: LOCATE AS SHOWN ON DRAWINGS
 - INTERIOR: LOCATE PER DRAWINGS, IF SHOWN, AND WHERE NOT SHOWN, LOCATE IN ACCORDANCE WITH SPECIFICATIONS.
 - DO NOT ALIGN EXTERIOR JOINTS W/ INTERIOR, BACK-UP WYTHE JOINTS, UNLESS SPECIFICALLY SHOWN TO ALIGN
- C. WALLS AND JOINT TYPES/DETAILS ARE DIAGRAMMATIC. VERIFY ACTUAL FIELD CONDITIONS AND ADJUST JOINT TYPES/DETAILS IN ACCORDANCE WITH REFERENCED STANDARDS.
- D. PROVIDE TESTED JOINT ASSEMBLIES AT FIRE-, SMOKE-, AND ACOUSTICAL-RATED WALLS.
- E. WHEN USED HEREIN "RATED" MEANS: FIRE, SMOKE, AND/OR ACOUSTICAL.

EXTERIOR WALL JOINT GRAPHIC SYMBOLS



WALL JOINTS



WALL/PARTITION TYPE GENERAL NOTES

- A. PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR-SUCH AS CERAMIC TILE-DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. "APPLIED FINISHES" IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.
- B. EXTEND WALL/PARTITION ASSEMBLY COMPONENTS FULL HEIGHT OF ASSEMBLY.
- C. ALL INTERIOR MASONRY UNIT PARTITIONS: INFILL TO MATCH THICKNESS OF ADJACENT WALL OR PARTITION UNLESS INDICATED OTHERWISE.
- D. ALL INTERIOR CFSF PANEL PARTITIONS: P1 UNLESS INDICATED OTHERWISE.
- E. REFER TO STRUCTURAL DRAWINGS AND RELATED SPECIFICATIONS FOR SOLID MASONRY, GROUTING, AND REINFORCEMENT REQUIREMENTS INCLUDING BUT NOT BE LIMITED TO:
 - MASONRY WALLS/PARTITIONS
 - LINTELS
 - LINTEL BEARING CONDITIONS
 - BOND BEAMS
 - SHELF BEARING CONDITIONS
 - STRUCTURAL REINFORCING REQUIREMENTS
 - CHANGES IN WYTHE
- F. THE TERMS "WALL" AND "PARTITION" MAY BE USED INTERCHANGEABLY THROUGHOUT THE CONTRACT DOCUMENTS.
- G. EXTEND ALL FIRE-, SMOKE-, INCIDENTAL USE-, AND ACOUSTICAL-RATED WALLS/PARTITIONS TO UNDERSIDE OF FLOOR DECK, ROOF DECK, STRUCTURAL ELEMENT ENCASUREMENT OR SOLID CAP ABOVE.
 - SEAL AND TERMINATE IN ACCORDANCE WITH JOINT SYSTEM TESTED ASSEMBLIES FOR RESPECTIVE TYPE OF WALL/PARTITIONS
- H. PARTITIONS THAT DO NOT EXTEND TO UNDERSIDE OF DECK OR CAP ABOVE:
 - EXTEND 4 INCHES MINIMUM ABOVE HIGHEST ADJACENT FINISH CEILING UNLESS INDICATED OTHERWISE.
- I. DO NOT CONNECT TIES, ANCHORS, OR REINFORCING TO SINGLE CANTILEVERED FIRE WALL OR BETWEEN DOUBLE FIRE WALLS.
- J. SEAL AROUND ALL PENETRATIONS.
- K. COMPLY WITH TERMINATION, WALL JOINT, AND MISCELLANEOUS DETAILS FOR THOSE CONDITIONS WHERE APPLICABLE. COMPLY WITH REFERENCED STANDARDS WHERE DETAILS ARE NOT IDENTIFIED IN THE DRAWINGS.
- L. WALL/PARTITION TYPES DO NOT ADDRESS WALL FINISHES. REFER TO FINISH SCHEDULE.
- M. FINISHED SPACES: PROVIDE P1A CHASES AROUND ALL EXPOSED VERTICAL COMPONENTS, INCLUDING, BUT MAY NOT BE LIMITED TO: DUCTWORK, PIPING, CONDUIT, AND RAIN LEADERS - UNLESS INDICATED OTHERWISE TO REMAIN EXPOSED.
 - HOLD CHASES TIGHT TO COMPONENTS ALLOWING FOR ACCESS, INSULATION, AND TOLERANCES
 - EXTEND CHASES FROM FLOOR TO 4 INCHES MINIMUM ABOVE FINISH CEILING OR, IF NO CEILING IS INDICATED, EXTEND CHASES TO UNDERSIDE OF FLOOR DECK, ROOF DECK, OR SOLID CAP ABOVE AND TERMINATE ACCORDINGLY.
- N. PROVIDE BACKER BOARD/UNIT OF SAME THICKNESS INDICATED IN LIEU OF GYPSUM BOARD PANEL AT PORTIONS OF WALLS/PARTITIONS TO RECEIVE TILE.

MASONRY UNIT WALL/PARTITION TYPES

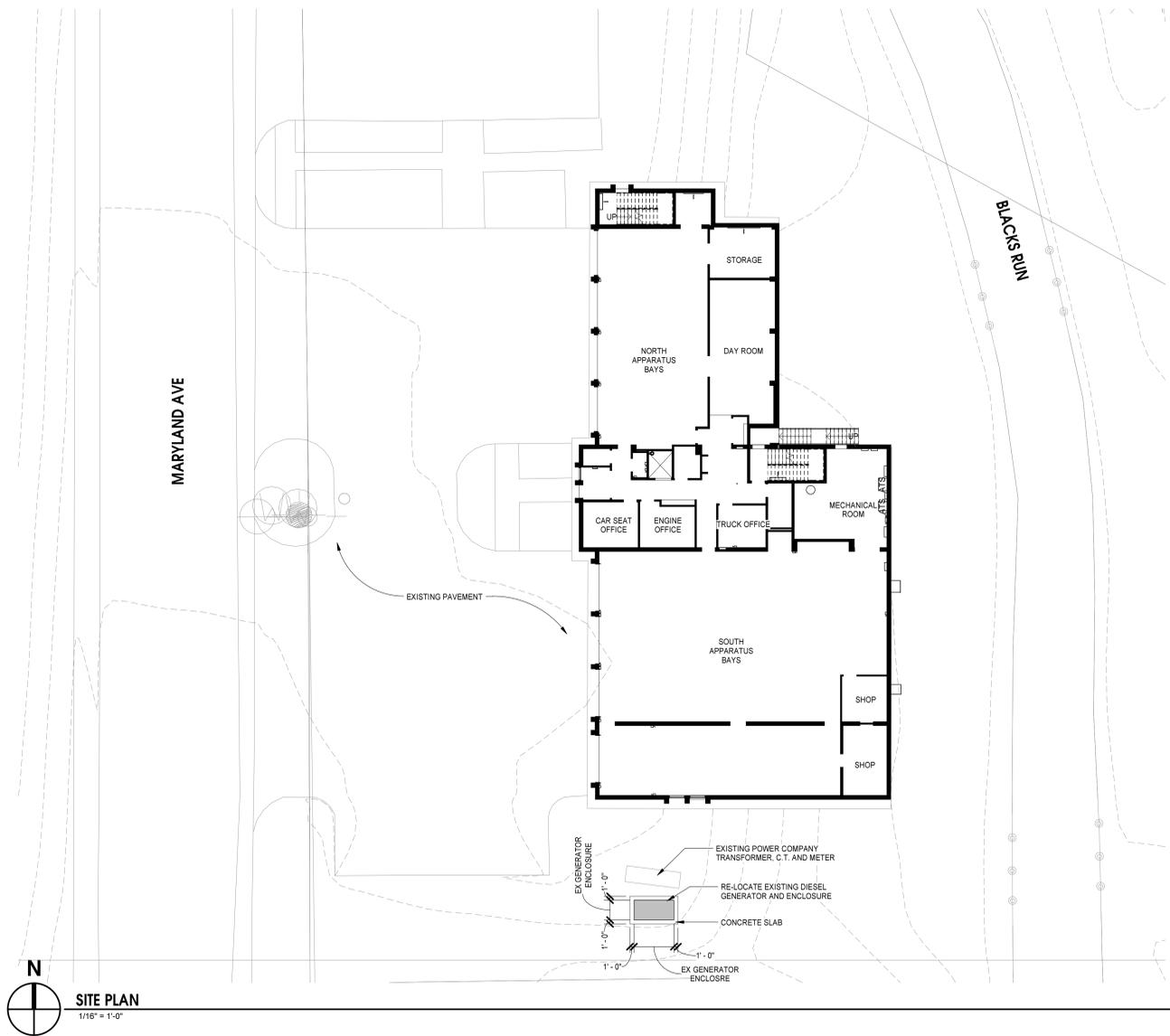
REPRESENTED BY X _m			
MARK	FIRE RATED ASSEMBLY (REFER TO LS 1.1 FOR LEGEND)	REMARKS	INFORMATION
M1	-	USE FOR MASONRY INFILL	5 5/8" 6" CONCRETE MASONRY UNIT
M2	-	USE FOR MASONRY INFILL	11 5/8" 12" CONCRETE MASONRY UNIT

PANEL WALL/PARTITION TYPES

REPRESENTED BY X _m			
MARK	FIRE RATED ASSEMBLY (REFER TO LS 1.1 FOR LEGEND)	REMARKS	INFORMATION
P1	-	STC-45	4 7/8" 5/8" GYPSUM BOARD 3 5/8" CFSF-NS 3 1/2" SOUND ATTENUATION BATTS
P1A	-	-	4 1/4" 5/8" GYPSUM BOARD 3 5/8" CFSF-NS
P1-1/2	⊕	STC-45	4 7/8" 5/8" GYPSUM BOARD 4" C4 CHANNEL 3 1/2" SOUND ATTENUATION BATTS 1" SHAFT LINER
P2	-	STC-45	5 5/8" 5/8" GYPSUM BOARD 4" C4 CHANNEL 3 1/2" SOUND ATTENUATION BATTS 1" SHAFT LINER
P3	-	STC-45	7 1/4" 5/8" GYPSUM BOARD 6" CFSF-NS 3 1/2" SOUND ATTENUATION BATTS



PROJECT NO: 550358	DATE: MARCH 4, 2016
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N
SITE PLAN
 1/16" = 1'-0"

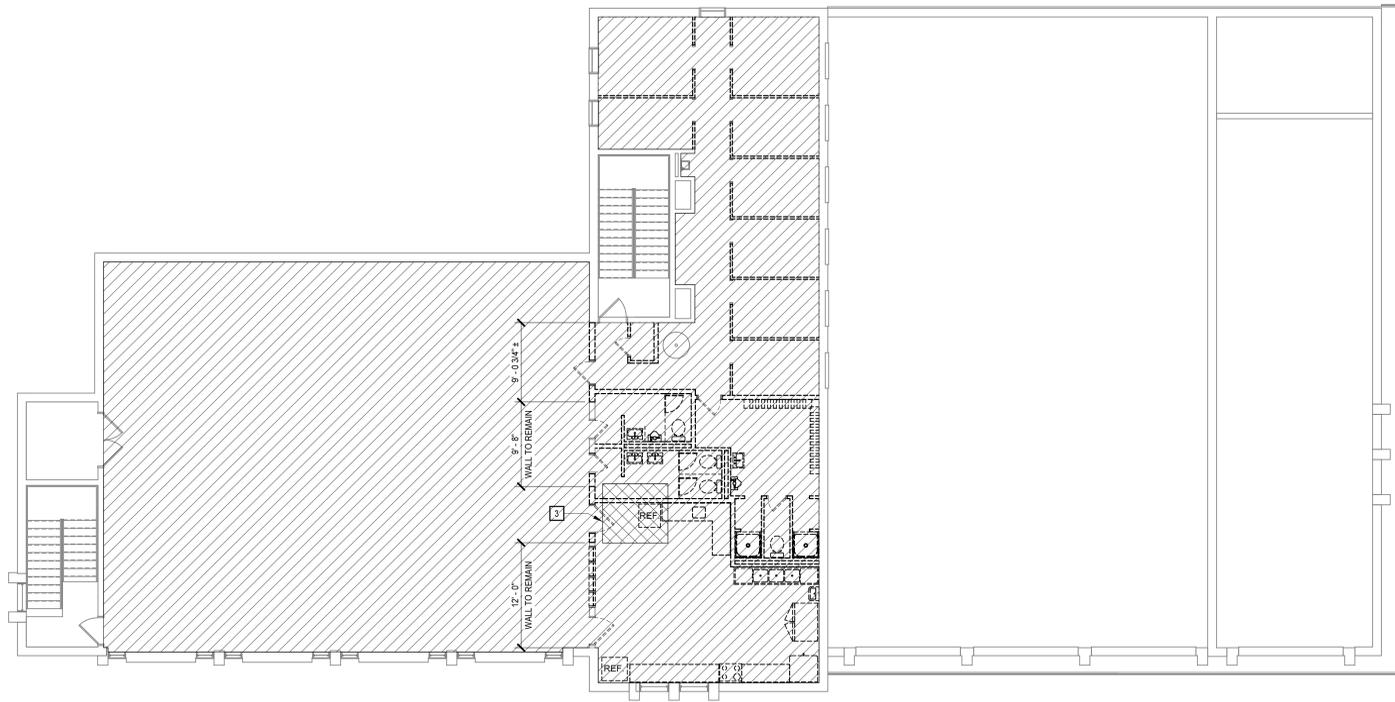
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SITE PLAN

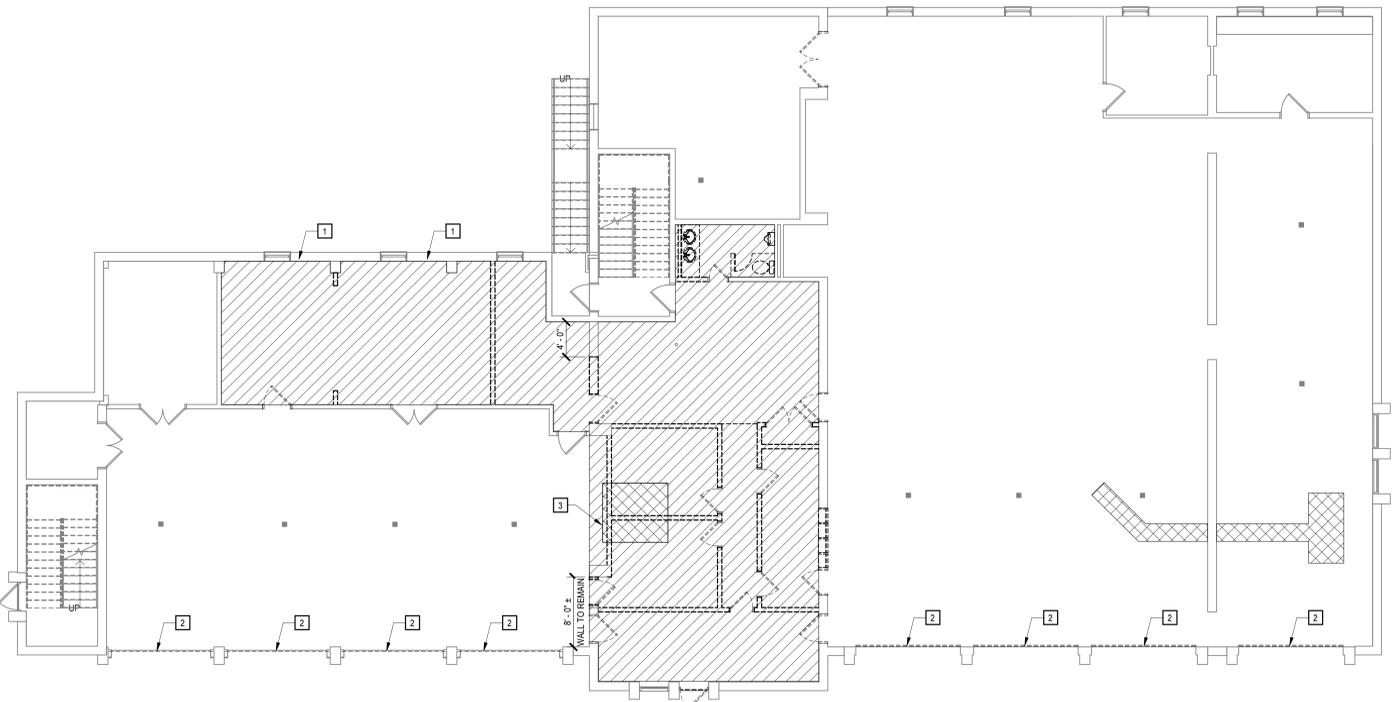
A1.1.1

HARRISONBURG FIRE STATION #1
 CITY OF HARRISONBURG, VIRGINIA
 80 MARYLAND AVE, HARRISONBURG, VIRGINIA 22801





SECOND FLOOR - DEMOLITION PLAN
1/8" = 1'-0"



FIRST FLOOR - DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION PLAN LEGEND
APPLIES TO DRAWINGS A1.2.1 - A1.2.7

	EXISTING PARTITION/ WALL/ ITEM TO REMAIN
	EXISTING PARTITION/ WALL/ ITEM TO BE REMOVED; PREPARE ADJACENT SURFACES TO RECEIVE NEW WORK
	REMOVE EXISTING DOOR AND FRAME ASSEMBLY INCLUDING DOOR HARDWARE, ANCHORS, AND THRESHOLD (WHERE OCCURS).
	REMOVE EXISTING PLUMBING FIXTURE. REFER TO PLUMBING DEMOLITION PLAN FOR ADDITIONAL INFORMATION.
	SLAB TO BE DEMOLISHED
	REMOVE FLOOR FINISHES, CEILING (INCLUDING BATT INSULATION ABOVE CEILING)

DEMOLITION PLAN GENERAL NOTES

A. REMOVE EXISTING CONSTRUCTION INDICATED DASHED, UNO. REFER TO DEMOLITION KEYNOTES FOR ADDITIONAL INFORMATION.

B. REPRESENTATION OF EXISTING ITEMS ARE TO BE CONSIDERED GENERAL IN NATURE AND ARE BASED UPON INFORMATION PROVIDED BY OWNER'S RECORD DRAWINGS, AND BY NON DESTRUCTIVE FIELD OBSERVATIONS. DEMOLITION PLANS ARE NOT COMPREHENSIVE IN ALL DETAILS OF EXISTING CONSTRUCTION THAT SHALL BE REMOVED TO COMPLETE THE WORK OF THE CONTRACT.

C. NOTIFY THE ARCHITECT OF ANY EXISTING CONDITIONS THAT PREVENT THE EXECUTION OF THE WORK INDICATED.

D. REFER TO OTHER DISCIPLINES DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION WORK REQUIRED. ALL DEMOLITION WORK IS NOT INDICATED ON THE ARCHITECTURAL DRAWINGS.

E. CAREFULLY REMOVE ITEMS INDICATED TO BE SALVAGED FOR REINSTALLATION. ITEMS IDENTIFIED TO BE SALVAGED TO OWNER SHALL BE SURFACED CLEANED AND DELIVERED TO A STORAGE AREA DESIGNATED BY THE OWNER FOR THIS PURPOSE. ITEMS OWNER CHOOSES TO RETAIN SHALL BE RELOCATED FROM THIS STORAGE AREA BY OWNER. REMAINING ITEMS SHALL BE REMOVED BY CONTRACTOR.

G. WHERE REMOVAL OF EXISTING FLOOR CMU WALLS (IN PART OR IN FULL) OCCURS, REMOVE CMU 4" MINIMUM BELOW FLOOR SLAB WHEN EXISTING WALL CONTINUES THROUGH SLAB.

H. SALVAGE ALL FEC, FIRE EXTINGUISHERS, AND HARDWARE TO OWNER. (NOTE: ALL EXISTING FEC MAY NOT BE INDICATED ON ON EXISTING PLANS).

J. REMOVE EXISTING FLOOR FINISHES, ASSOCIATED BASE, SETTING BEDS, AND ADHESIVES, UNLESS NOTED OTHERWISE WITHIN THE DEMOLITION AREA.

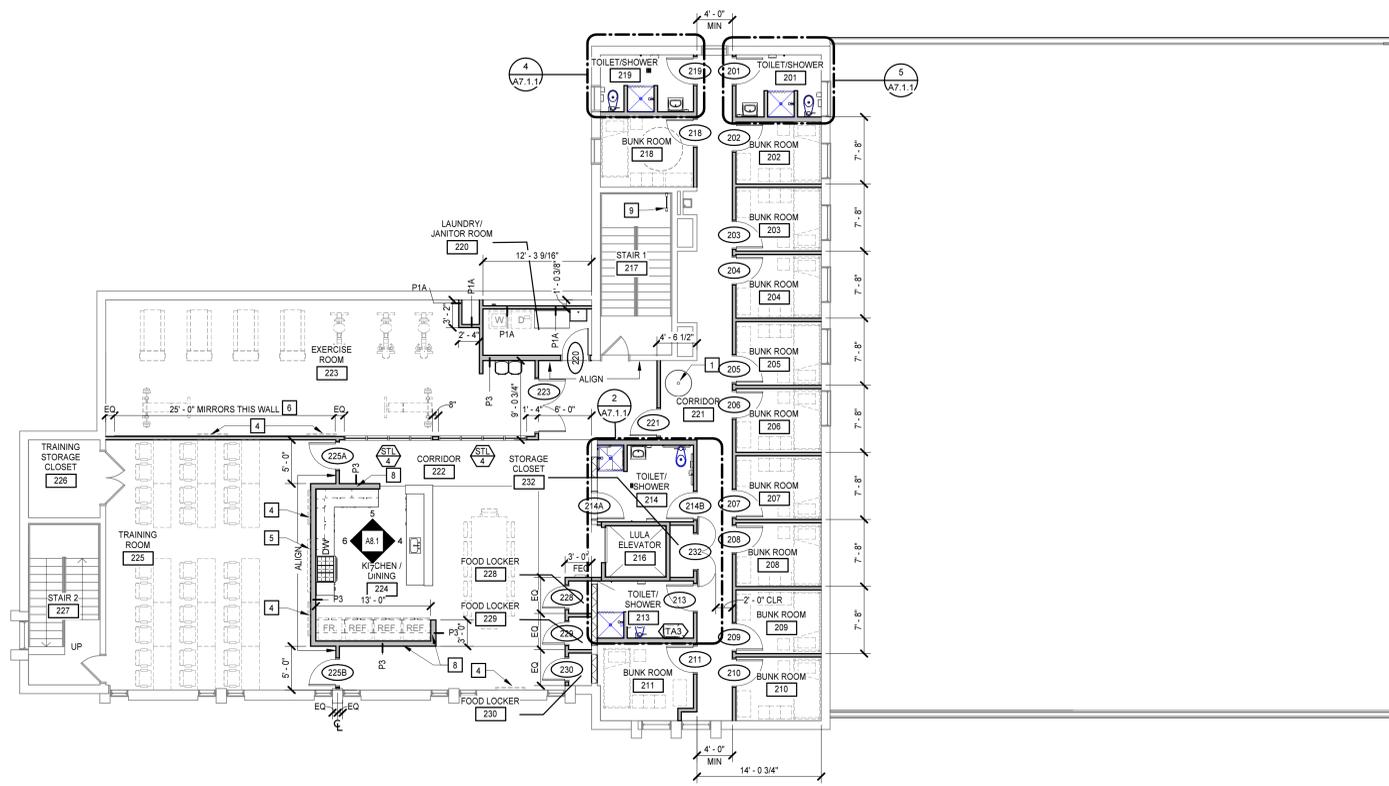
K. TWO (2) BAYS IN THE SOUTH APPARATUS BAYS AND THE WASH BAY ARE TO REMAIN OPERATIONAL FOR USE OF TOWER APPARATUS THROUGHOUT CONSTRUCTION. LIGHTING AND USE OF THE BAY DOORS IS REQUIRED FOR OPERATION. A CLEAR PATH FROM APPARATUS BAYS USED FOR TOWER APPARATUS TO THE ROAD MUST BE MAINTAINED THROUGHOUT CONSTRUCTION. CONTRACTOR TO COORDINATE WITH OWNER.

DEMOLITION KEYNOTES
APPLIES TO DRAWINGS A1.2.1
REPRESENTED BY [1]

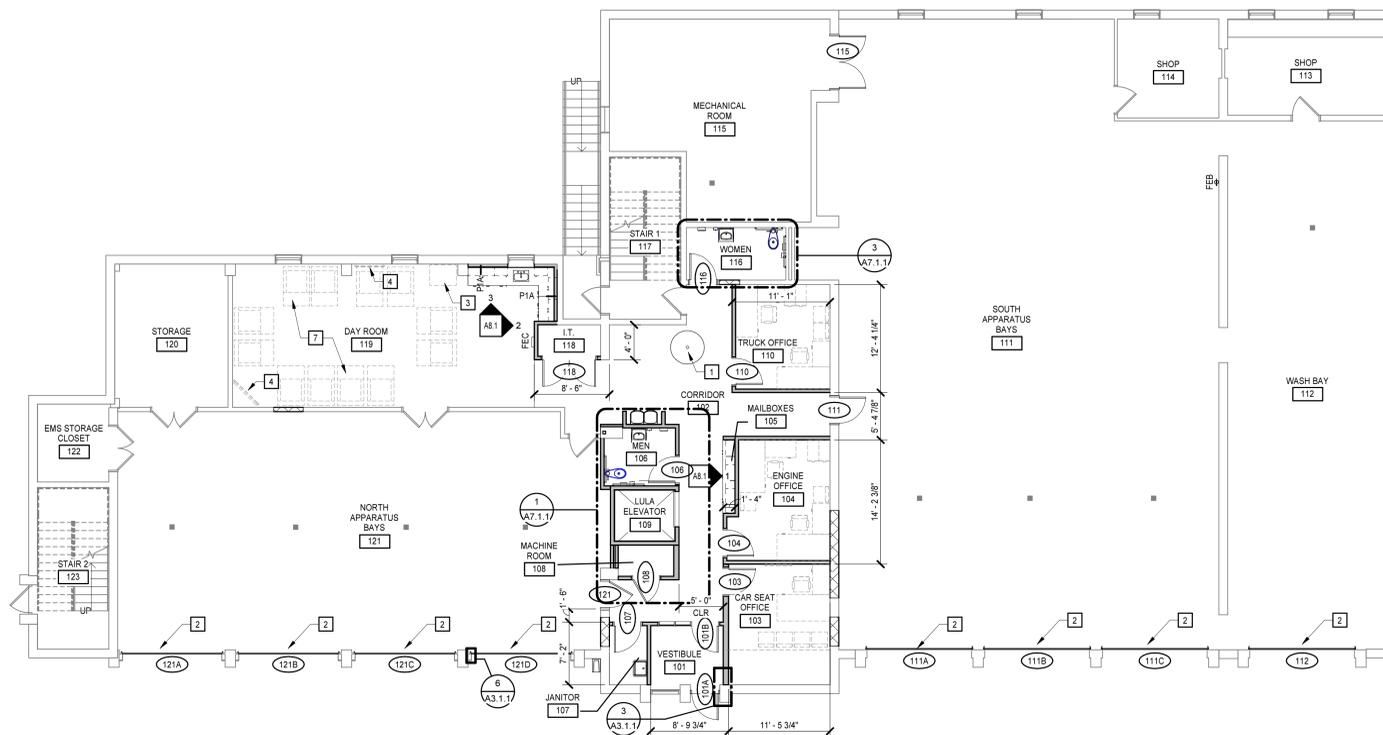
- REMOVE EX EXHAUST FAN PENETRATIONS, INFILL AND TOOTH-IN OPENINGS.
- REMOVE OVERHEAD SECTIONAL DOOR AND COMPONENTS
- REMOVE SLAB FOR ELEVATOR OPENING



PROJECT NO: 550358	DATE: MARCH 4, 2016
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SECOND FLOOR PLAN
1/8" = 1'-0"



FIRST FLOOR PLAN
1/8" = 1'-0"

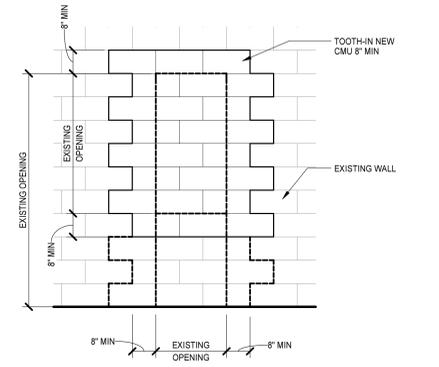
FLOOR PLAN GENERAL NOTES

A. EQUIPMENT AND FURNITURE (SHOWN AS DASHED) TO BE FURNISHED AND INSTALLED BY THE OWNER.

B. REFER TO TOOTH-IN DETAIL ON A2.1 (THIS SHEET) FOR CMU INFILL.

FLOOR PLAN KEYNOTES
APPLIES TO DRAWINGS A2.1 - A2.n
REPRESENTED BY [n]

- SLIDE POLE, EXISTING TO REMAIN.
- APPARATUS BAY DOOR, EXISTING TO BE REPLACED.
- VENDING MACHINE. RELOCATE FROM EXISTING STAIR.
- TV (NIC).
- SMART BOARD. RELOCATE FROM EXISTING TRAINING ROOM.
- 5' HIGH FRAMELESS MIRRORS. MOUNT TOP @ 7'-0".
- LOUNGE CHAIRS, TYP (NIC).
- PARTITION TO EXTEND 7'-6" AFF. TERMINATE WITH WOOD CAP. REFER TO 11A8.1.
- PRE-MANUFACTURED LADDER TO ROOF ACCESS HATCH.



TOOTH-IN DETAIL
NO SCALE



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FINISH SCHEDULE											
NUMBER	NAME	FLOOR	BASE	WALLS				WAINSCOT	CEILING	NOTES	
				NORTH	EAST	SOUTH	WEST				
101	VESTIBULE	C-TILE-B	RB	PT	PT	PT	PT		GB-PT		
102	CORRIDOR	PP-A	PP	PT	PT	PT	PT	FRP 4-0"CHAIR RAIL	ACP/GB-PT		
103	CAR SEAT OFFICE	PP-B	PP	PT	PT	PT	PT		ACP		
104	ENGINE OFFICE	PP-B	PP	PT	PT	PT	PT		ACP		
105	MAILBOXES	PP-A	PP	PT	PT	PT	PT	FRP 4-0"CHAIR RAIL	GB-PT		
106	MEN	PP-B	GWT	GWT	GWT	GWT	GWT		GB-PT		
107	JANITOR	PP-A	PP	EPX-PT	EPX-PT	EPX-PT	EPX-PT	GWT 4-0"	EXPC-PT		
108	MACHINE ROOM	-	-	-	-	-	-		-		
109	LULA ELEVATOR	RFT	MTLB	LPS	LPS	LPS	LPS		-		
110	TRUCK OFFICE	PP-B	PP	PT	PT	PT	PT		ACP		
111	SOUTH APPARATUS BAYS	-	-	EPX-PT	EPX-PT	EPX-PT	EPX-PT		EXPC-PT		
112	WASH BAY	-	-	EPX-PT	EPX-PT	EPX-PT	EPX-PT		EXPC-PT		
113	SHOP	-	-	-	-	-	-		-		
114	SHOP	-	-	-	-	-	-		-		
115	MECHANICAL ROOM	-	-	-	-	-	-		-		
116	WOMEN	PP-B	GWT	GWT	GWT	GWT	GWT		GB-PT		
117	STAIR 1	-	-	-	-	-	-		-		
118	I.T.	PP-B	PP	PT	PT	PT	PT		GB-PT		
119	DAY ROOM	PP-B	PP	PT	PT	PT	PT		ACP		
120	STORAGE	-	-	-	-	-	-		-		
121	NORTH APPARATUS BAYS	-	-	EPX-PT	EPX-PT	EPX-PT	EPX-PT		EXPC-PT		
122	EMS STORAGE CLOSET	-	-	-	-	-	-		-		
123	STAIR 2	-	-	-	-	-	-		-		
201	TOILET/SHOWER	PP-B	GWT	GWT	GWT	GWT	GWT		GB-PT		
202	BUNK ROOM	C-TILE-A	RB	PT	PT	PT	PT		ACP		
203	BUNK ROOM	C-TILE-A	RB	PT	PT	PT	PT		ACP		
204	BUNK ROOM	C-TILE-A	RB	PT	PT	PT	PT		ACP		
205	BUNK ROOM	C-TILE-A	RB	PT	PT	PT	PT		ACP		
206	BUNK ROOM	C-TILE-A	RB	PT	PT	PT	PT		ACP		
207	BUNK ROOM	C-TILE-A	RB	PT	PT	PT	PT		ACP		
208	BUNK ROOM	C-TILE-A	RB	PT	PT	PT	PT		ACP		
209	BUNK ROOM	C-TILE-A	RB	PT	PT	PT	PT		ACP		
210	BUNK ROOM	C-TILE-A	RB	PT	PT	PT	PT		ACP		
211	BUNK ROOM	C-TILE-A	RB	PT	PT	PT	PT		ACP		
213	TOILET/SHOWER	PP-B	GWT	GWT	GWT	GWT	GWT		GB-PT		
214	TOILET/SHOWER	PP-B	GWT	GWT	GWT	GWT	GWT		GB-PT		
216	LULA ELEVATOR	RFT	MTLB	LPS	LPS	LPS	LPS		-		
217	STAIR 1	-	-	-	-	-	-		-		
218	BUNK ROOM	C-TILE-A	RB	PT	PT	PT	PT		ACP		
219	TOILET/SHOWER	PP-B	GWT	GWT	GWT	GWT	GWT		GB-PT		
220	LAUNDRY/JANITOR ROOM	PP-A	PP	PT	PT	PT	PT		GB-PT		
221	CORRIDOR	VT	RB	PT	PT	PT	PT	FRP 4-0"CHAIR RAIL	ACP		
222	CORRIDOR	PP-A	PP	PT	PT	PT	PT		ACP		
223	EXERCISE ROOM	RAF-RFT	RB	PT	PT	PT	PT		EXPC-PT		
224	KITCHEN / DINING	PP-B	-	PT	PT	PT	PT		ACP		
225	TRAINING ROOM	C-TILE-A	RB	PT	PT	PT	PT		ACP		
226	TRAINING STORAGE CLOSET	-	-	-	-	-	-		-		
227	STAIR 2	-	-	-	-	-	-		-		
228	FOOD LOCKER	PP-A	PP	PT	PT	PT	PT		GB-PT		
229	FOOD LOCKER	PP-A	PP	PT	PT	PT	PT		GB-PT		
230	FOOD LOCKER	PP-A	PP	PT	PT	PT	PT		GB-PT		
232	STORAGE CLOSET	VT	RB	PT	PT	PT	PT		GB-PT		

FINISH SCHEDULE GENERAL NOTES

A. FINISH SCHEDULE DESCRIBES ONLY THE BASIC OR PREDOMINANT SURFACE FINISH.

B. PROVIDE SAME FINISHES AS THE ADJACENT SPACE IN ALCOVES AND CONTINUOUS SPACES WITHOUT DESIGNATED SPACE NUMBERS.

C. CASEWORK FINISHES ARE NOT NOTED IN THE FINISH SCHEDULE. REFER TO CASEWORK ELEVATIONS AND SPECIFICATIONS FOR MATERIALS AND FINISHES.

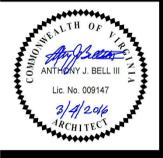
D. DIRECTIONAL WALL FINISH INDICATORS (NORTH, EAST, SOUTH, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.

E. BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER TO RCP DETAILS AND OTHER DOCUMENTS FOR EXTENT.

F. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION.

MOSELEY ARCHITECTS

3001 NORFOLK STREET RICHMOND, VA 23250
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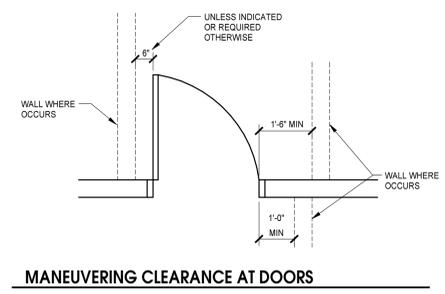
HARRISONBURG FIRE STATION #1

CITY OF HARRISONBURG, VIRGINIA
 80 MARYLAND AVE, HARRISONBURG, VIRGINIA 22801

PROJECT NO: 550358	DATE: MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

NUMBER	TYPE	SIZE (NOMINAL)	DOOR			GLAZING TYPE	TYPE	FRAME			FIRE RATING	NOTES
			MATL	UC				HEAD DETAIL	JAMB DETAIL	SILL DETAIL		
101A	FG	3'-0"x7'-0"x1-3/4"	ALUM			AS	1	4/A3.1.1	3/A3.1.1	3/A3.1.1		
101B	FG	3'-0"x7'-0"x1-3/4"	STL			STL	3	1	1	1		
103	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1		
104	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1		
106	F	3'-0"x7'-0"x1-3/4"	WD	3/4"		STL	1	1	1	1		
107	F	3'-0"x7'-0"x1-3/4"	WD	3/4"		STL	1	1	1	1		
108	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1		
110	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1		
111	F	3'-0"x7'-0"x1-3/4"	STL			STL	2	2	2	2		
111A	OH2	13'-0"x 11'-10"	STL			STL	2	7/A3.1.1	6/A3.1.1	6/A3.1.1		
111B	OH2	13'-0"x 11'-10"	STL			STL	2	7/A3.1.1	6/A3.1.1	6/A3.1.1		
111C	OH2	13'-0"x 11'-10"	STL			STL	2	7/A3.1.1	6/A3.1.1	6/A3.1.1		
112	OH2	13'-0"x 11'-10"	STL			STL	2	7/A3.1.1	6/A3.1.1	6/A3.1.1		
115	F	PR 3'-0"x7'-0"x1-3/4"	STL			STL	2	2	2	2		
116	F	3'-0"x7'-0"x1-3/4"	WD	3/4"		STL	1	1	1	1		
118	F	PR 3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1		
121	F	3'-0"x7'-0"x1-3/4"	STL			STL	2	2	2	2		
121A	OH2	11'-0"x 11'-3"	STL			STL	2	7/A3.1.1	6/A3.1.1	6/A3.1.1		
121B	OH2	11'-0"x 11'-3"	STL			STL	2	7/A3.1.1	6/A3.1.1	6/A3.1.1		
121C	OH2	11'-0"x 11'-3"	STL			STL	2	7/A3.1.1	6/A3.1.1	6/A3.1.1		
121D	OH2	11'-0"x 11'-3"	STL			STL	2	7/A3.1.1	6/A3.1.1	6/A3.1.1		
201	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1	20 MIN	
202	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1	20 MIN	
203	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1	20 MIN	
204	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1	20 MIN	
205	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1	20 MIN	
206	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1	20 MIN	
207	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1	20 MIN	
208	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1	20 MIN	
209	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1	20 MIN	
210	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1	20 MIN	
211	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1	20 MIN	
213	F	3'-0"x7'-0"x1-3/4"	WD	3/4"		STL	1	1	1	1	20 MIN	
214A	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1		
214B	F	3'-0"x7'-0"x1-3/4"	WD	3/4"		STL	1	1	1	1	20 MIN	
218	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1	20 MIN	
219	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1	20 MIN	
220	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1		
221	N	3'-0"x7'-0"x1-3/4"	WD		4	STL	1	1	1	1	20 MIN	
223	F	PR 3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1		
225A	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1		
225B	F	3'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1		
228	F	2'-6"x7'-0"x1-3/4"	WD			STL	1	1	1	1		
229	F	2'-6"x7'-0"x1-3/4"	WD			STL	1	1	1	1		
230	F	2'-6"x7'-0"x1-3/4"	WD			STL	1	1	1	1		
232	F	PR 2'-0"x7'-0"x1-3/4"	WD			STL	1	1	1	1		

NOTE:
1. AUTOMATIC DOOR OPERATOR



MANEUVERING CLEARANCE AT DOORS

DOOR AND FRAME DETAIL KEYNOTES

APPLIES TO DRAWINGS A3.1.1
REPRESENTED BY [A]

- ANCHORAGES, REINFORCING, SPECIFIC PARTITION CONSTRUCTION AND/OR LINTELS ARE NOT SHOWN FOR CLARITY.
- REFER TO FRAME SECTION IN DOOR SCHEDULE FOR TYPE.
- SEALANT, ALL SIDES - TOOL TO 90°.
- BACKBEND RETURN @ GB LOCATIONS ONLY.
- 9/16" @ MAS; 1/2" @ GB.
- 1/4" @ JAMBS, UNO, DIMENSION @ HEAD & SILL VARIES.
- BULLNOSE @ CMJ JAMBS & SILLS.
- 0" @ GB LOCATIONS; 1/16" @ MAS LOCATIONS.
- AUTOMATIC DOOR OPERATOR PUSH PLATE. MOUNT 48" MAX TO TOP OF PLATE.
- SEALANT AND BACKER ROD.
- SPANDREL PANEL.
- ALUMINUM STOREFRONT SYSTEM.
- AUTOMATIC DOOR OPERATOR.
- SECTIONAL DOOR JAMB AND TRACK.
- SECTIONAL DOOR.
- DRUM AND TORSION SPRING.

DOOR AND FRAME GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL DETAIL NUMBERS IN THE DOOR AND FRAME SCHEDULE FOR HEAD, JAMB AND SILL CONDITIONS REFER TO DRAWING A3.2.1.

B. DOOR AND FRAME DETAILS INDICATE GENERAL CHARACTERISTICS OF DOOR AND FRAME SIZES AND COMPONENTS AND MAY NOT INDICATE EXACT FIELD CONDITIONS OR REQUIREMENTS. COORDINATE DETAILS WITH OTHER DRAWINGS AND SPECS TO DETERMINE ALL COMPONENTS (E.G. SEALANTS, ANCHORS, HARDWARE, LINTELS, CLIPS) REQUIRED FOR COMPLETE AND FUNCTIONAL INSTALLATION.

C. DOOR SWINGS ON FLOOR PLANS TAKE PRECEDENCE OVER SWINGS INDICATED ELSEWHERE (E.G. ELEVATIONS).

DOOR, FRAME AND GLAZING TYPE GENERAL NOTES

GLAZING TYPES

REPRESENTED BY [A]

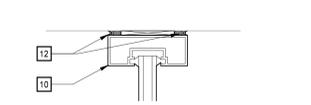
- 1/4" CLEAR
- 1" TINTED INSULATING
- 1" SPANDREL PANEL
- FIRE RATED GLASS

NOTES:
1. ALL GLAZING IN INTERIOR FRAMES SHALL BE TYPE 1, UNO.
2. ALL GLAZING IN EXTERIOR FRAMES SHALL BE TYPE 2, UNO.
3. GLAZE ALL OPENINGS IN FRAMES UNLESS SPECIFICALLY INDICATED OTHERWISE.
4. ALL GLAZING SHALL BE SAFETY GLASS UNLESS INDICATED OTHERWISE.

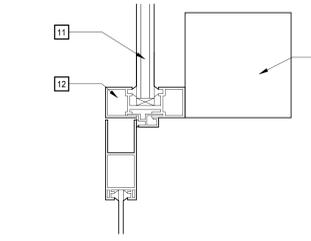
DOOR, FRAME AND GLAZING TYPE KEYNOTES

APPLIES TO DRAWINGS A3.1.1
REPRESENTED BY [A]

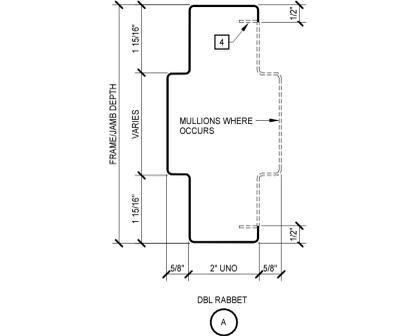
1. SIZE AS REQUIRED TO ACCOMMODATE DOOR, HARDWARE AND FRAME COMPONENTS.



5 DETAIL
A3.1.1 3" = 1'-0"

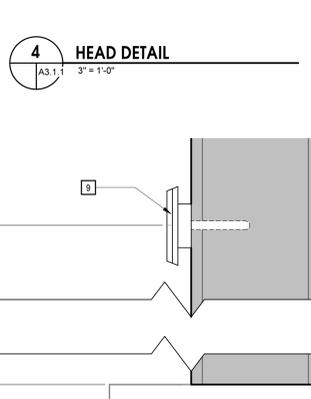


4 HEAD DETAIL
A3.1.1 3" = 1'-0"

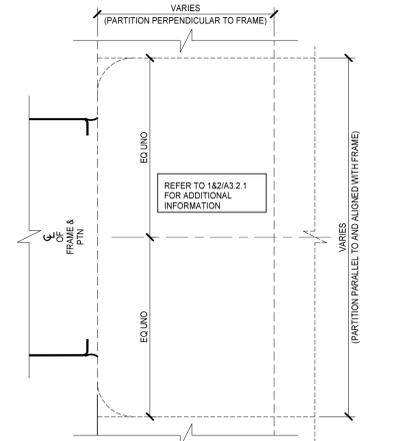


1. ALL FRAME/JAMB DEPTHS, OTHER THAN WRAP CONDITIONS, SHALL BE 6" UNO.
2. ALL FRAME/JAMB DEPTHS AT WRAP CONDITIONS SHALL BE SIZED TO SUIT PARTITION.
3. DOORS, PANELS, GLAZING, STOPS, AND OTHER FRAME INFILLS ARE NOT SHOWN IN FRAME SECTIONS AS THEY VARY - PROVIDE SAME WHERE INDICATED.

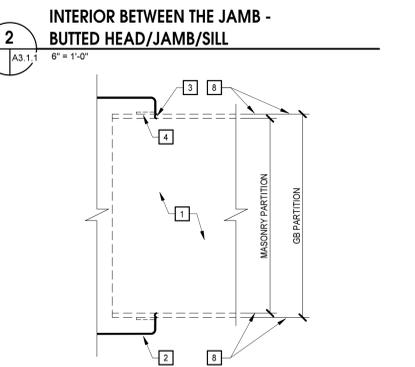
STEEL FRAME SECTIONS



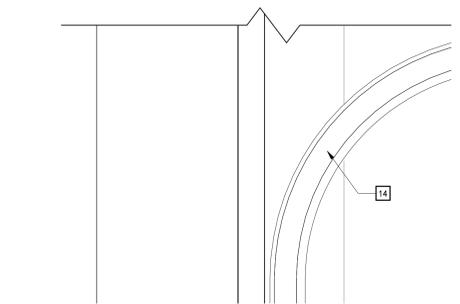
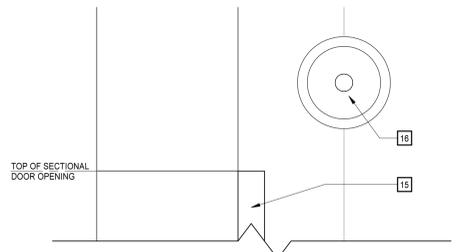
3 JAMB DETAIL
A2.1/A3.1.1 3" = 1'-0"



2 INTERIOR WRAP HEAD/JAMB/SILL
A3.1.1 6" = 1'-0"

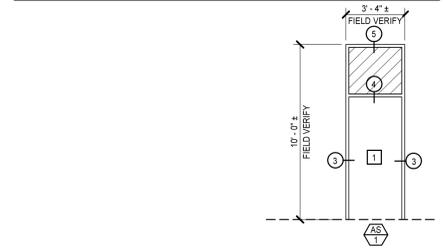


1 INTERIOR WRAP HEAD/JAMB/SILL
A3.1.1 6" = 1'-0"

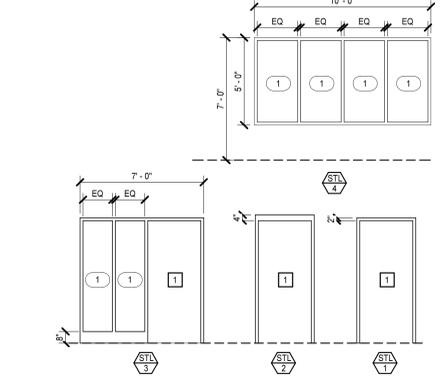


7 HEAD DETAIL
A3.1.1 3" = 1'-0"

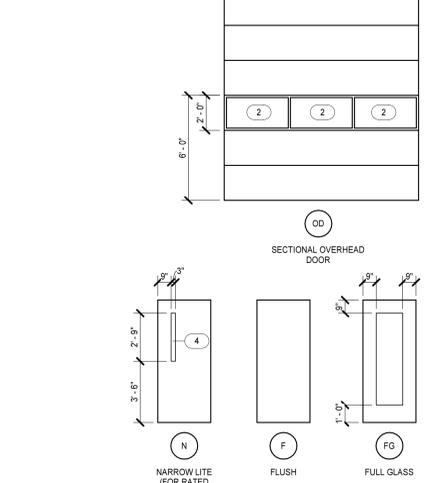
6 JAMB DETAIL
A2.1/A3.1.1 3" = 1'-0"



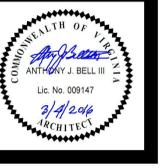
ALUMINUM STOREFRONT FRAME TYPES



STEEL FRAME TYPES

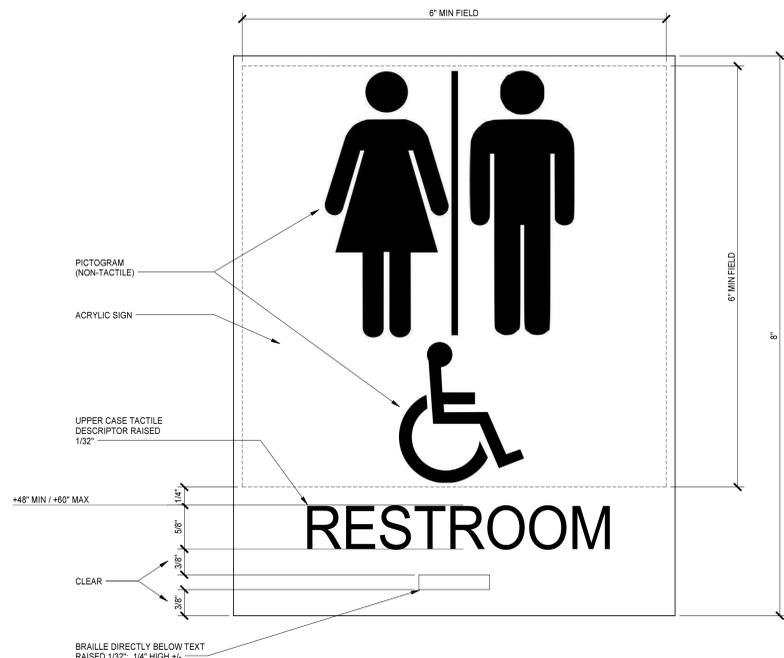


DOOR TYPES



PROJECT NO:	DATE:
550358	MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

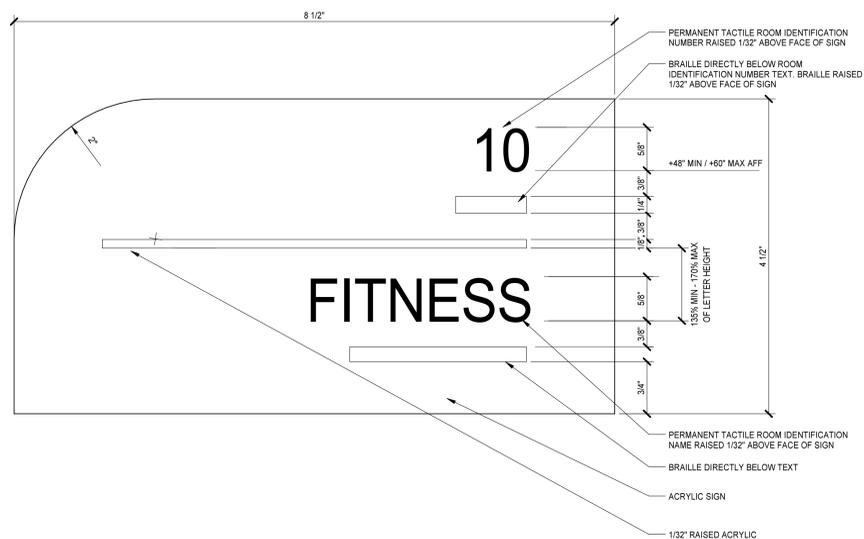
SIGNAGE TYPES/ELEVATIONS



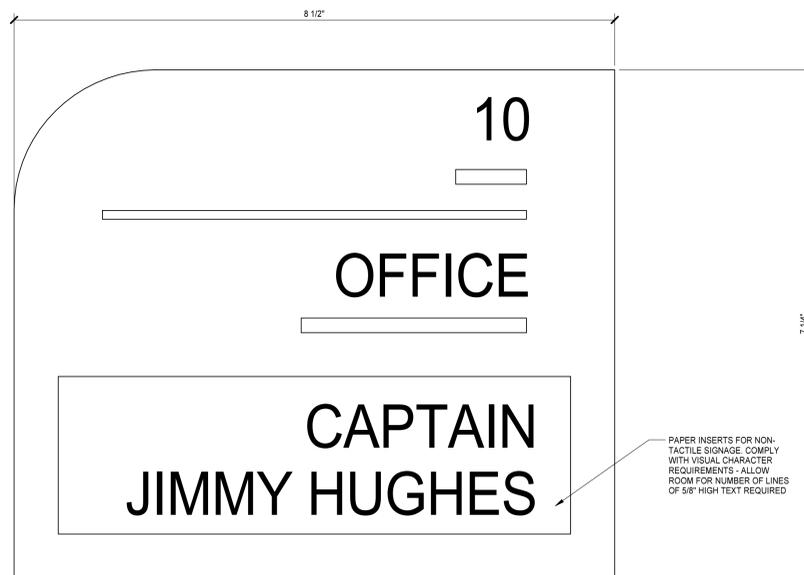
SIGN TYPE: S1



SIGN TYPE: S2



SIGN TYPE: S3



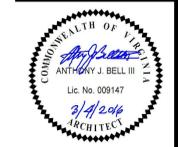
SIGN TYPE: S4

SIGNAGE GENERAL NOTES

- A. PROVIDE SIGNAGE COMPLIANT WITH THE AMERICANS WITH DISABILITIES ACT AND ARCHITECTURAL BARRIERS ACT ACCESSIBILITY GUIDELINES AND CHAPTER 11 OF THE VUSBC.
- B. INTERIOR PANEL SIGNAGE TYPES ARE INDICATED FOR GENERAL ACCESSIBILITY COMPLIANCE. ACTUAL SIGNAGE DESIGN MAY VARY.

MOSELEYARCHITECTS

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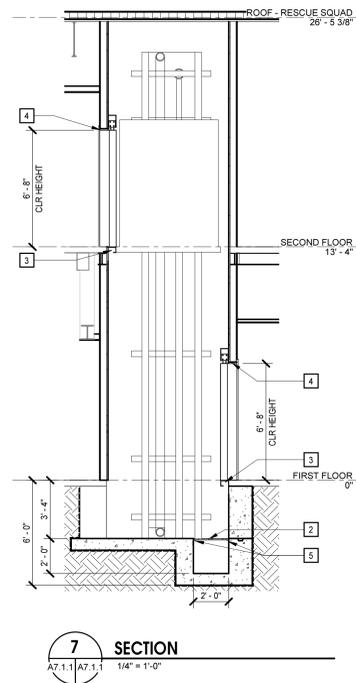
HARRISONBURG FIRE STATION #1

CITY OF HARRISONBURG, VIRGINIA
80 MARYLAND AVE, HARRISONBURG, VIRGINIA 22801

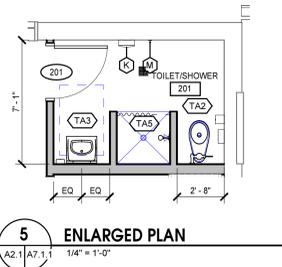
PROJECT NO: 550358	DATE: MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

INTERIOR
SIGNAGE

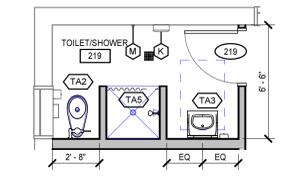
A3.1.2



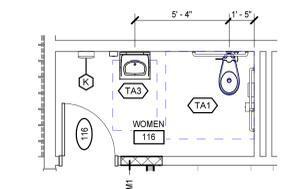
7 SECTION
A2.1 | A7.1 | 1/4" = 1'-0"



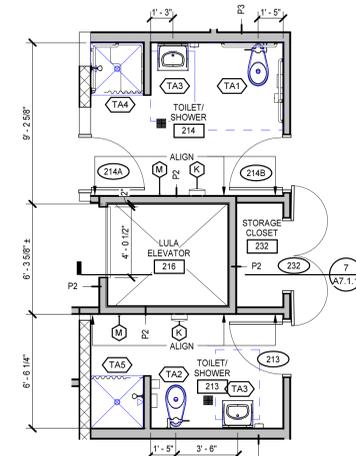
5 ENLARGED PLAN
A2.1 | A7.1 | 1/4" = 1'-0"



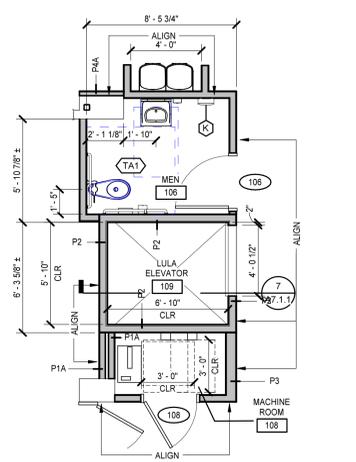
4 ENLARGED PLAN
A2.1 | A7.1 | 1/4" = 1'-0"



3 ENLARGED PLAN
A2.1 | A7.1 | 1/4" = 1'-0"



2 ENLARGED PLAN
A2.1 | A7.1 | 1/4" = 1'-0"



1 ENLARGED PLAN
A2.1 | A7.1 | 1/4" = 1'-0"

TOILET ACCESSORIES SCHEDULE			
MARK	DESCRIPTION	MOUNTING HEIGHT	REMARKS
A	36" HORIZONTAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
B	42" HORIZONTAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
C	18" VERTICAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
D	TOILET TISSUE DISPENSER	REFER TO WATER CLOSET ELEVATIONS	
E	SANITARY NAPKIN DISPOSAL	REFER TO WATER CLOSET ELEVATIONS	
F	SOAP DISPENSER	3'-4" AFF TO DISPENSING OUTLET	
G	MIRROR (18" x 36") OVER LAV AND COUNTERTOP	3'-4" AFF TO BOTTOM OF REFLECTIVE SURFACE	
H	18"x36" CORNER GRAB BAR ASSEMBLY	REFER TO SHOWER ELEVATIONS	
J	L-SHAPED FOLDING SHOWER SEAT	1'-6" TO SEAT SURFACE	
K	PAPER TOWEL DISPENSER	3'-8" AFF TO DISPENSING OUTLET	
L	SHOWER CURTAIN, ROD AND HOOKS	6'-8" AFF TO ROD	
M	ROBE HOOK	3'-11" TO TOP OF HOOK	
R	MIRROR (24" x 60")	2'-0" AFF TO BOTTOM OF REFLECTIVE SURFACE	

- ACCESSORY ITEMS ARE IDENTIFIED BY ○ ON PLANS. LETTERS CORRESPOND TO SCHEDULE ABOVE.
- ACTUAL DIMENSIONS OF ACCESSORIES MAY VARY. COORDINATE DIFFERENCES, IF ANY.
- REFER TO ALL CASEWORK ELEVATIONS FOR ADDITIONAL TOILET ACCESSORY LOCATIONS.
- PROVIDE MOP AND BROOM HOLDER W/ SHELF ○ AT ALL CUSTODIAL/JANITORIAL SINKS. MOUNT AT 5'-0" AFF TO CENTERLINE AND LOCATE ON SIDE WALL OF SINK (NOT ON WALL ABOVE FAUCET).
- PROVIDE ROBE HOOK ON INTERIOR FACE OF ALL TOILET ROOM DOORS WHEREIN ONLY ONE WATER CLOSET IS PROVIDED. MOUNT AT 3'-11" AFF TO TOP.

TOILET ASSEMBLIES, SCHEDULE AND ENLARGED PLAN GENERAL NOTES

A. PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR SUCH AS CERAMIC TILE DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. "APPLIED FINISHES" IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.

B. CLEAR DIMENSIONS ARE TO FACE OF APPLIED WALL AND PARTITION FINISHES.

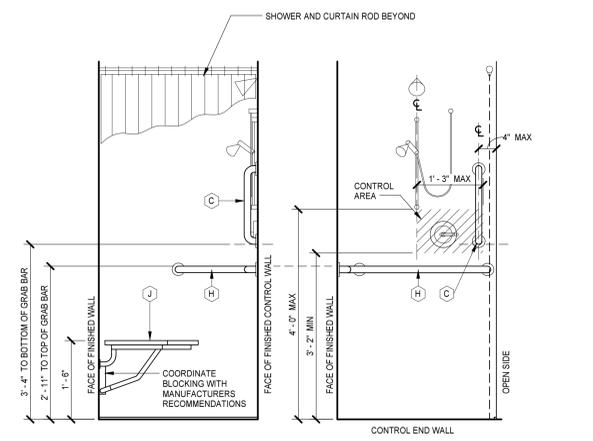
TOILET ASSEMBLIES		
APPLIES TO DRAWINGS A7.1 - A7.n REPRESENTED BY (TA1)		
MARK	REMARKS	PLAN
TA1		
TA2	OMIT (A, B, C)	
TA3	CENTER (G) OVER LAVATORY	
TA4		
TA5	OMIT (C, H, J)	

LEGEND NOTES:

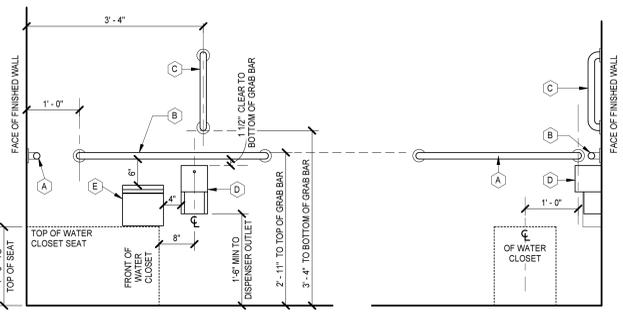
- HANDING ORIENTATION MAY VARY. REFER TO PLANS FOR PROPER ORIENTATION.
- PLUMBING FIXTURE GRAPHICS IN THIS LEGEND ARE REPRESENTATIVE ONLY. ACTUAL PLUMBING FIXTURES MAY VARY.

KEYNOTES
APPLIES TO DRAWINGS A7.1.1
REPRESENTED BY □

- CONTINUOUS SELF-ADHERING SHEET WATERPROOFING
- 2'-0" X 2'-0" X 1" STEEL GRATE
- LULA ELEVATOR SILL ASSEMBLY AND CLOSURE (PER MRF)
- LULA ELEVATOR DOOR FRAME (PER MRF)
- 1 1/4" X 1 1/4" X 1/4" STEEL ANGLE W/ EMBEDDED FASTENERS



TRANSFER-TYPE SHOWER ELEVATIONS
3/4" = 1'-0"



WATER CLOSET ELEVATIONS
3/4" = 1'-0"



PROJECT NO:	DATE:
550358	MARCH 4, 2016
REVISIONS	
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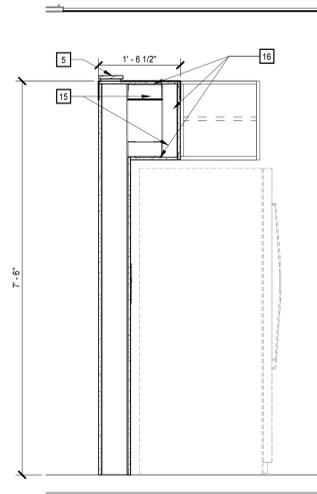
CASEWORK GENERAL NOTES

- A. UNLESS INDICATED OTHERWISE, ALL COUNTERTOPS:
 - 2'-10" AFF OR 2'-10" TO TOP OF RIM AT DROP-IN SINKS AND LAVATORIES WHERE OCCURS
 - 2'-1" DEEP
 - STAINLESS STEEL COUNTER TOPS, UNLESS NOTED OTHERWISE.
 - BACKSPASHES: STAINLESS STEEL, FULL HEIGHT ALL SIDES AND BACK, REFER TO ELEVATIONS FOR EXTENT.
- B. UNLESS INDICATED OTHERWISE, ALL BASE CABINET(S):
 - 2'-0" DEEP NOMINAL
 - TOE KICKS: 4" HIGH AND 3" DEEP
 - SINK LOCATIONS: 3'-0" WIDE CLEAR KNEE SPACE (NO BASE CABINET) FOR BARRIER FREE ACCESS
- C. UNLESS INDICATED OTHERWISE, ALL WALL CABINET(S):
 - 1'-0" DEEP NOMINAL
 - 3'-0" HIGH
 - TOP AT 7'-6" AFF
- D. BUILT-IN EQUIPMENT: SIZE OPENING (HEIGHT, WIDTH, AND DEPTH) AND ROUGH-IN REQUIREMENTS AS REQUIRED BASED ON APPROVED MANUFACTURER SUBMITTED.
- E. ALL SHELVES: ADJUSTABLE UNLESS INDICATED OTHERWISE.
- F. PROVIDE FINISH END PANELS AT ALL EXPOSED CASEWORK ENDS.

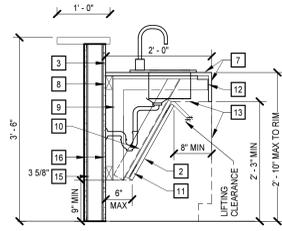
KEYNOTES

APPLIES TO DRAWINGS A8.1 - A8.nn
REPRESENTED BY A

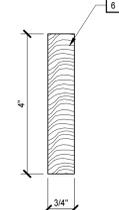
1. FORM STORAGE
2. REMOVEABLE PLAM PANEL
3. STAINLESS STEEL BACKSPLASH
4. MICROWAVE
5. 1" THICK X 6" WIDE HARDWOOD CAP WITH 1/2" REVEAL (PAINTED) BELOW.
6. PAINTED HARDWOOD
7. SS COUNTERTOP WITH PLASTIC LAMINATE APRON
8. 2X WOOD LEDGER ANCHOR AT EACH STUD
9. 2-1/2" X 2-1/2" X .185 STEEL ANGLE BRACKET AT EACH SIDE OF ANGELED PANEL
10. 1X WOOD BACKER SCREW - ATTACHED TO STEEL BRACKET
11. CONT 1X2 WOOD BLOCKING WITH BRACKETS FOR Z CLIPS
12. 2 1/2"x2 1/2"x.185 STL ANGLE APRON CARRIER CONT
13. FINISHED END PANEL BEYOND
14. RANGE HOOD
15. CFSF-S
16. 5/8" GYP BD



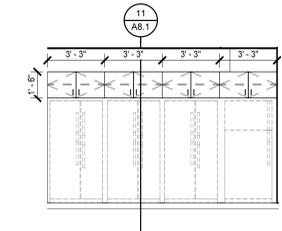
11 FRIDGE SECTION
3/4" = 1'-0"



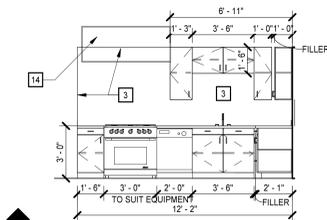
10 ISLAND SECTION
3/4" = 1'-0"



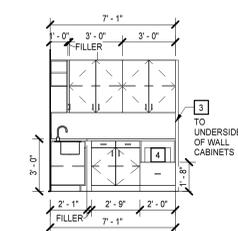
8 CHAIR RAIL DETAIL
6" = 1'-0"



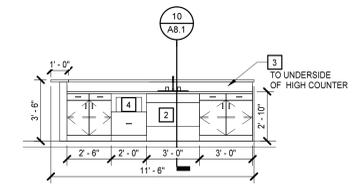
7 CASEWORK ELEVATION
1/4" = 1'-0"



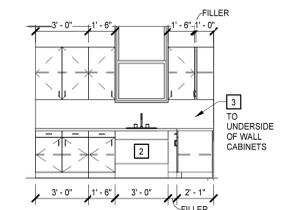
6 CASEWORK ELEVATION
1/4" = 1'-0"



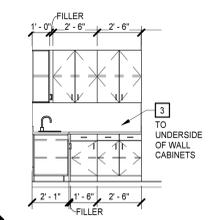
5 CASEWORK ELEVATION
1/4" = 1'-0"



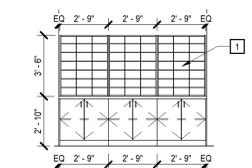
4 CASEWORK ELEVATION
1/4" = 1'-0"



3 CASEWORK ELEVATION
1/4" = 1'-0"



2 CASEWORK ELEVATION
1/4" = 1'-0"



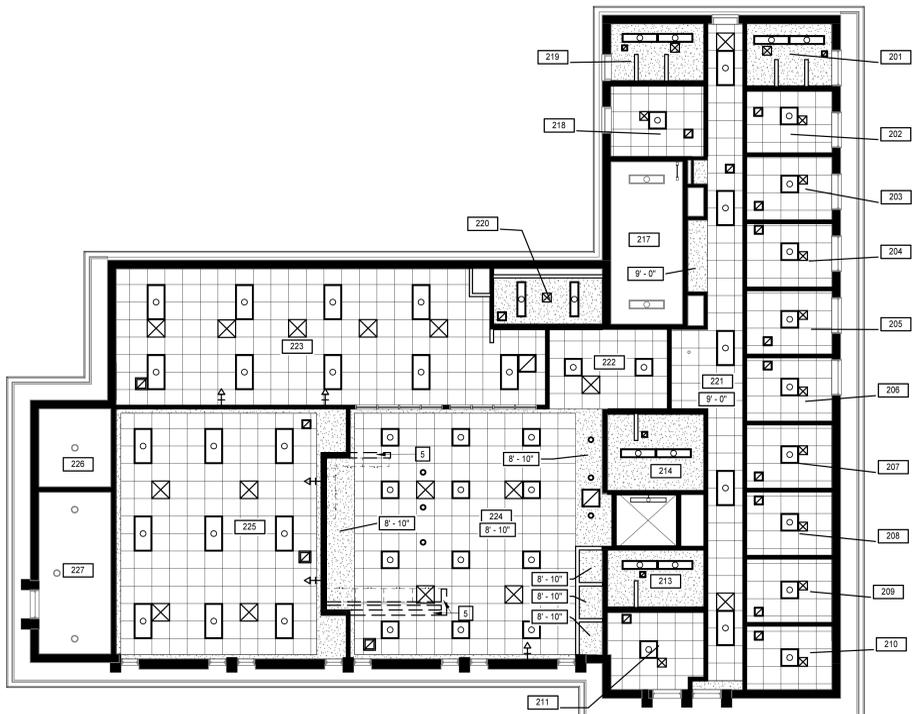
1 CASEWORK ELEVATION
1/4" = 1'-0"

HARRISONBURG FIRE STATION #1

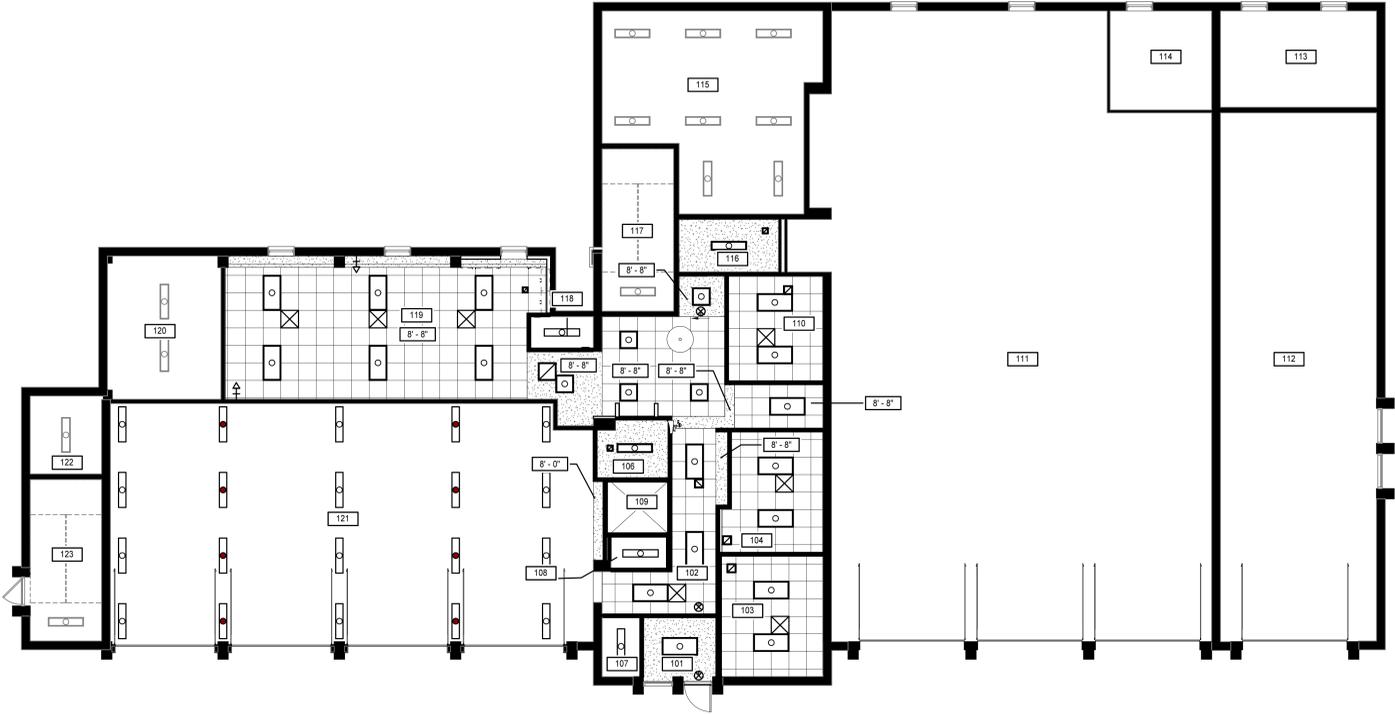
CITY OF HARRISONBURG, VIRGINIA
80 MARYLAND AVE, HARRISONBURG, VIRGINIA 22801

PROJECT NO: 550358	DATE: MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

CASEWORK AND ELEVATIONS



SECOND FLOOR
 1/8" = 1'-0"



RCP FIRST FLOOR PLAN
 1/8" = 1'-0"

REFLECTED CEILING PLAN LEGEND
 APPLIES TO DRAWINGS A9.1.n - A9.1.n

REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW

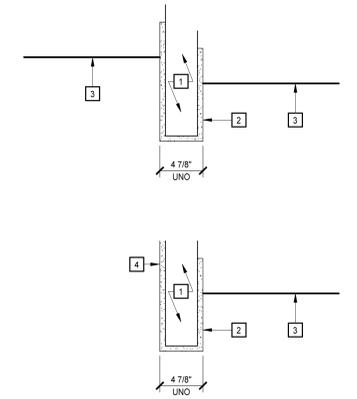
	SPACE NUMBER CEILING HEIGHT, AFF UNO
	INTERIOR APPLICATIONS: GYPSUM BOARD CEILING
	EXTERIOR APPLICATIONS: GYPSUM SOFFIT BOARD OR GYPSUM SHEATHING
	2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID
	1 HR RATED HORIZONTAL SHAFT WALL ABOVE ACP CEILING
	1'-0" x 1'-0" ACT ON 3/4" FRP PLYWOOD ON CFSF-S SUSPENDED FRAMING
	ACCESS PANEL
	EXTERIOR WALL
	INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK WITH OPENING
	INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY WITH OPENING
	INTERIOR WALL/PARTITION 4" MIN ABOVE HIGHEST ADJACENT CEILING, IF NECESSARY TO ACHIEVE RESULTS DESIRED, EXTEND WALL HEIGHT SO WALL BRACING IS NOT EXPOSED TO VIEW IN FINISHED SPACES WITH OPENING
	INTERIOR WALL/PARTITION TO UNDERSIDE OR BELOW CEILING
	EXISTING TO REMAIN, VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK

REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

- ALL CEILING HEIGHTS SHALL BE 9'-0" AFF UNLESS INDICATED OTHERWISE.
- DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.
- CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.
- IF ADDITIONAL SPRINKLER HEADS ARE REQUIRED TO SATISFY CODE OR COVERAGE DENSITIES (OTHER THAN THOSE THAT MAY BE INDICATED), PROVIDE ADDITIONAL SPRINKLER HEADS AT NO ADDITIONAL COST AND OBTAIN APPROVAL OF ARCHITECT FOR LOCATION OF SUCH HEADS, IF ANY.

REFLECTED CEILING PLAN KEYNOTES
 APPLIES TO DRAWINGS A9.1.1 - A9.1.n
 REPRESENTED BY

- CFSF-S
- 5/8" GYP BD, TERMINATE 4" ABV FIN CLG
- FIN CLG. FINISH AND/OR HEIGHT AFF VARIES
- GYP BD. EXTEND FULL HEIGHT, UNLESS INDICATED OTHERWISE
- PARTITION TO EXTEND 7'-6" AFF. TERMINATE WITH WOOD CAP. REFER TO 11/AS.1.



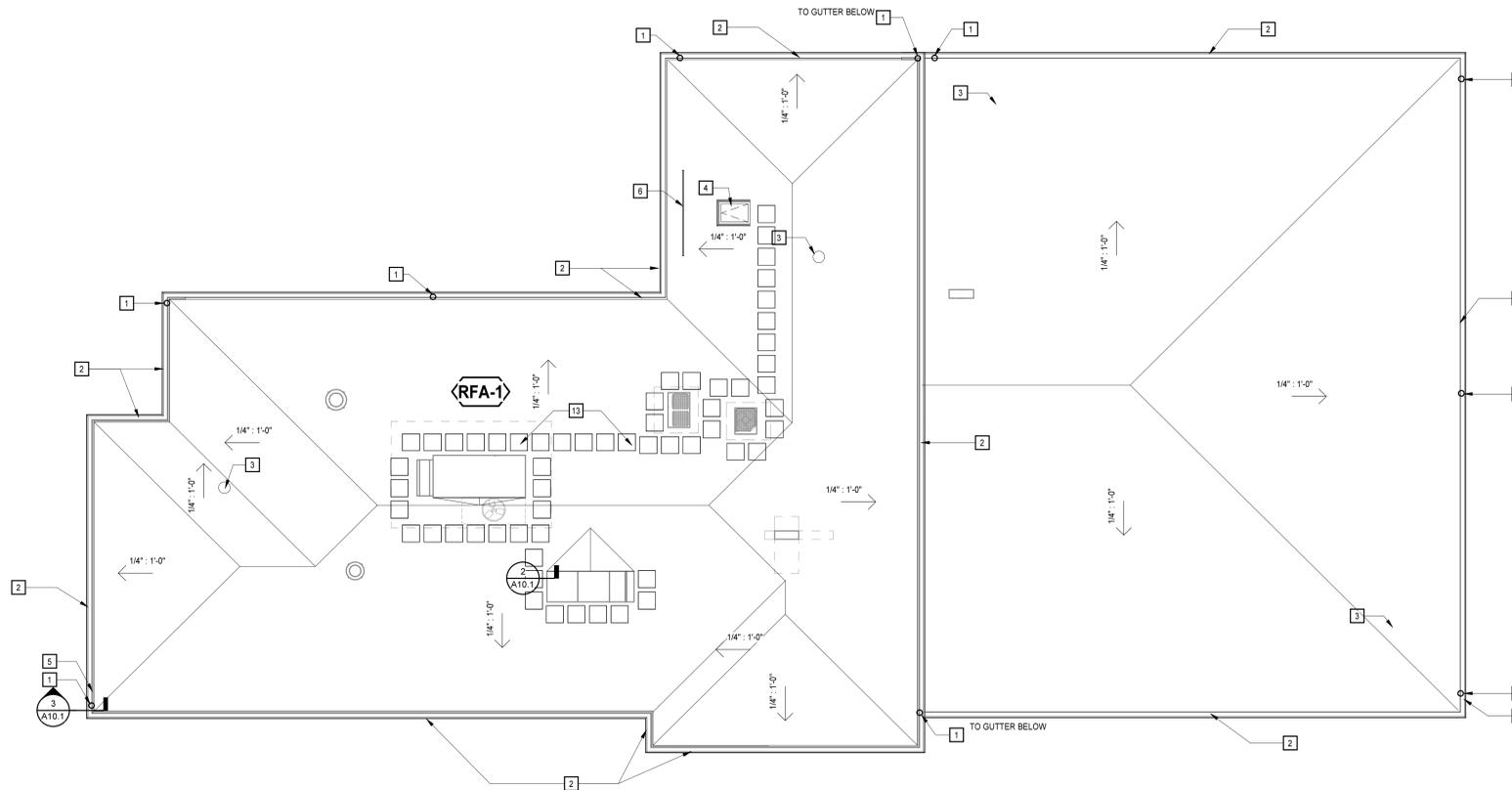
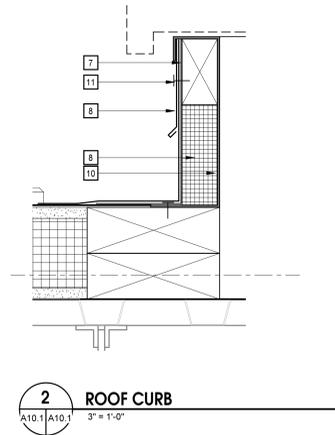
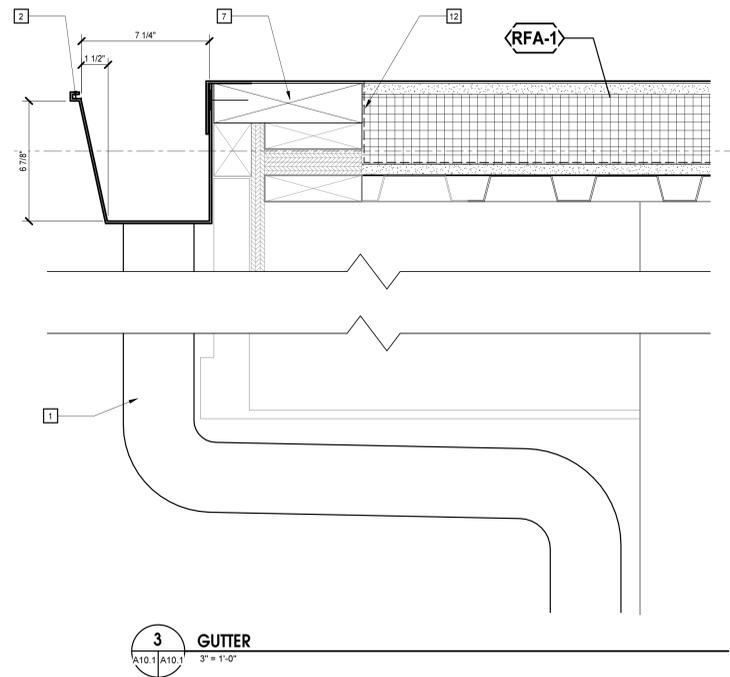
BULKHEAD DETAILS
 NO SCALE

HARRISONBURG FIRE STATION #1
 CITY OF HARRISONBURG, VIRGINIA
 80 MARYLAND AVE, HARRISONBURG, VIRGINIA 22801

PROJECT NO: 550358	DATE: MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

REFLECTED CEILING PLAN

ROOF PLAN
1/8" = 1'-0"



ROOF ASSEMBLIES			
APPLIES TO A10.1.n AND A10.2.n SERIES OF DRAWINGS REPRESENTED BY (RFA)			
MARK	FIRE RATED ASSEMBLY (REFER TO LS.1 FOR LEGEND)	REMARKS	INFORMATION
RFA-1	○		

ROOF PLAN LEGEND	
APPLIES TO DRAWINGS A10.1.1 - A10.1.n	
REFER TO M, E & FP DRAWINGS FOR ROOF SYMBOLS NOT INDICATED BELOW	
	PRIMARY ROOF DRAIN AND SUMP
	SECONDARY/EMERGENCY OVERFLOW (WHERE OCCURS)
	GUTTER AND DOWNSPOUT (RECTANGULAR SHOWN, MAY BE ROUND IF SPECIFIED)
	ROOF ACCESS HATCH
	SCUPPER
	CRICKET
	WALKWAY PATH
	INDICATES DIRECTION OF ROOF ASSEMBLY SLOPE

ROOF PLAN GENERAL NOTES	
A.	ALL ROOF ASSEMBLIES: RFA1, UNO.
B.	ROOF PLAN DOES NOT INDICATE ALL EQUIPMENT AND PENETRATIONS. REFER TO OTHER DISCIPLINE'S DRAWINGS FOR QUANTITIES AND LOCATIONS OF ROOFTOP EQUIPMENT AND ASSOCIATED PENETRATIONS.
C.	COORDINATE LOCATION AND SIZE OF ROOF OPENINGS AND ASSOCIATED PENETRATIONS WITH STRUCTURE.
D.	ROOF DETAILS MAY NOT ENTIRELY REPRESENT ACTUAL CONSTRUCTION CONDITIONS. ACTUAL DETAIL ASSEMBLIES SHALL BE APPROVED BY ROOFING MANUFACTURER.
E.	ROOF PLAN DOES NOT INDICATE ALL ROOFING DETAILS (INCLUDING BUT NOT LIMITED TO ROOF DRAINS, VTR, CURBS, EXPANSION JOINTS, ROOF HATCHES). PROVIDE MFR'S DETAILS AS REQUIRED TO SUIT SPECIFIC APPLICATION AND SPECIFICATIONS.
F.	PROVIDE CRICKETS AT DRAINS, WALLS, CURBS, MECHANICAL EQUIPMENT, AND OTHER OBSTRUCTIONS SUCH THAT 1/4" PER FOOT MINIMUM POSITIVE DRAINAGE SLOPE IS MAINTAINED AT ALL SUCH AREAS.
G.	PROVIDE DOUBLE-LAYER OF MEMBRANE ROOFING MATERIAL UNDER SPLASH BLOCKS.
H.	CENTER ALL PENETRATIONS BETWEEN RIBS OF METAL ROOFING. PIPING, DUCTWORK AND CURBS SHALL BE OFFSET AS REQUIRED TO ACHIEVE PENETRATIONS CENTERED BETWEEN RIBS.

ROOF KEYNOTES	
APPLIES TO DRAWINGS A10.1 REPRESENTED BY []	
1.	4" DIA DOWNSPOUT, DISCHARGE AT FIRST FLOOR LEVEL UNO.
2.	CONTINUOUS GUTTER, SLOPE TO DOWNSPOUT
3.	REMOVE AND CAP EXISTING ROOF DRAIN
4.	2'-0"x3'-0" ROOF HATCH WITH RAIL PROTECTION SYSTEM
5.	SPLASH BLOCK @ GRADE
6.	ROOF EDGE RAIL SYSTEM
7.	FRT BLOCKING
8.	METAL FLASHING
9.	RIGID INSULATION
10.	PRE MANUFACTURED METAL ROOF CURB
11.	GASKETED FASTENER
12.	VAPOR BARRIER
13.	ROOF WALKING PADS (TYP)



PROJECT NO:	DATE:
550358	MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION



ADMINISTRATION

Applicable Codes, Standards, and/or References	Year
Virginia Rehabilitation Code (Virginia Uniform Statewide Building Code, Part II)	2012
ICC/ANSI A117.1	2009

Refer to other Contract Documents (disciplines) and Specifications for additional code summary information not included in this Code Summary (generally related to IBC Chapters 13 through 33).

COMPLIANCE METHOD

301.1.2 **Work Area Compliance Method**

WORK AREA COMPLIANCE METHOD

602.1-2 **Existing Building Materials**
Materials already in use and in conformance with requirements in effect at the time of their installation shall be permitted to remain in use, including repairs and alterations, unless determined by the code official to render the building or structure unsafe

705.1 **Accessibility**
Exception 2: Accessible means of egress are not required in existing buildings

705.1.1 **Entrances**
Where altering an entrance, and the building has a separate accessible entrance on an accessible route, the altered entrance is not required to be accessible unless required for access to a primary function per 705.2. Directional signs shall be provided.

705.1.13 **Thresholds**
The maximum height of existing thresholds at doorways shall be 3/4 inch with beveled edges on each side

706.2 **Addition or replacement of roofing or replacement of equipment**
Exception 1: Where the additional dead load from the roofing or equipment does not increase the force in the element by more than 5 percent

801.3 **Compliance**
Exception 2: Newly installed electrical equipment shall comply with Section 808

803.2.1 **Existing Vertical Openings**
Exception 3: Enclosure shall not be required where:
3.2. All of the following conditions are met:
3.2.1. The communicating area has a low hazard occupancy or has a moderate hazard occupancy that is protected throughout by an automatic sprinkler system
3.2.2. The lowest or next to the lowest level is a street floor
3.2.3. The entire area is open and unobstructed in a manner such that it may be assumed that a fire in any part of the interconnected spaces will be readily obvious to all of the occupants
3.2.4. Exit capacity is sufficient to provide egress simultaneously for all the occupants of all levels by considering all areas to be a single floor area for the determination of required exit capacity
3.2.5. Each floor level, considered separately, has at least one half of its individual required exit capacity provided by an exit or exits leading directly out of that level without having to traverse another communicating floor level or be exposed to the smoke or fire spreading from another communicating floor level
Exception 11: In Group R-2 occupancies, a minimum 30-minute enclosure shall be provided to protect all vertical openings not exceeding three stories. Enclosure is not required in the following locations:
11.2. Buildings protected throughout by an approved automatic sprinkler system

804.4.1 **Fire Alarm**
Exception 2: Where selective notification is permitted, alarm-notification appliances shall be automatically activated in the areas selected

805.6 **Dead-End Corridors**
Exception 3: In other than Group A and H occupancies, the maximum length of an existing dead-end corridor shall be 70 feet in buildings equipped throughout with an automatic sprinkler system

810.1 **Minimum Fixtures**
Where the occupant load of a story is increased by more than 20 percent, plumbing fixtures shall be provided per the Building Code based on the increased occupant load

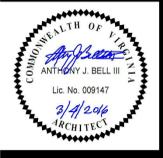
811.1 **Energy Conservation**
Level 2 alterations do not require the entire building to comply with the Energy Conservation Code except as they relate to the new construction

HARRISONBURG FIRE STATION #1

CITY OF HARRISONBURG, VIRGINIA
80 MARYLAND AVE, HARRISONBURG, VIRGINIA 22801

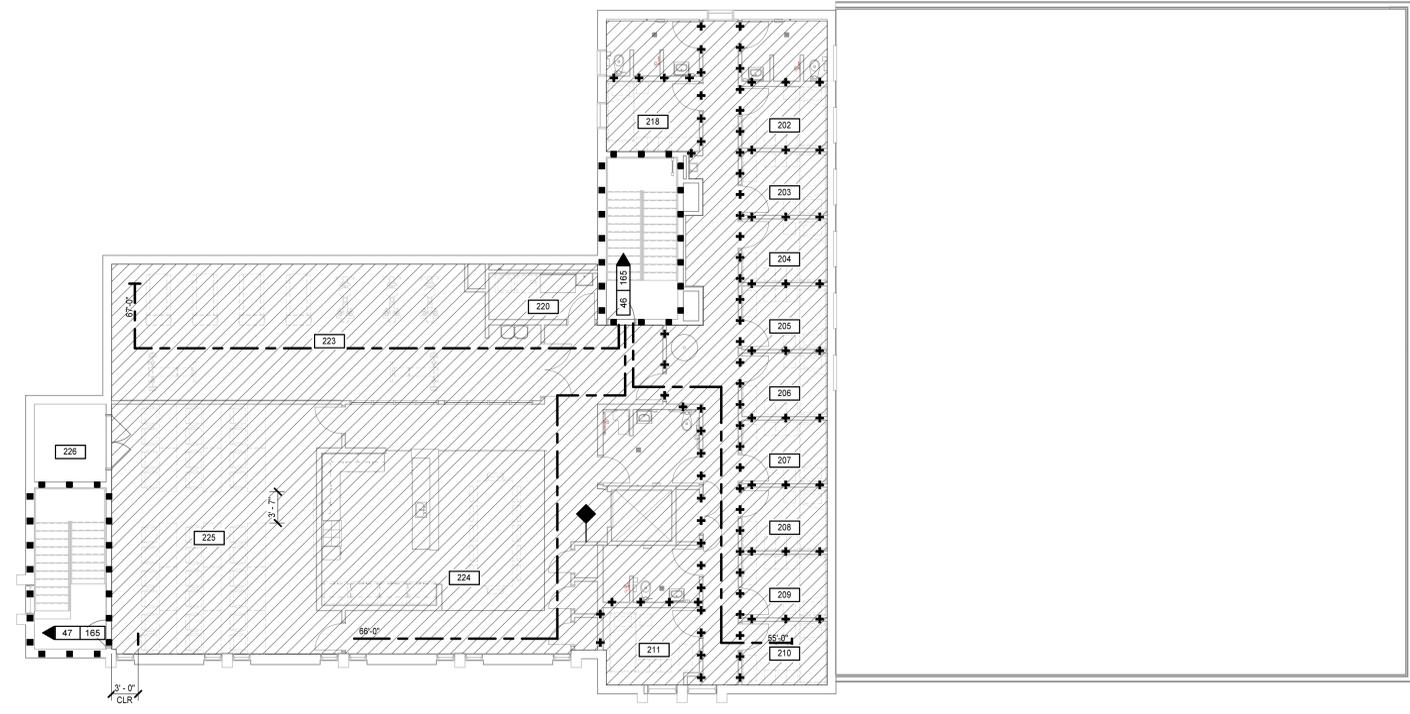
PROJECT NO:	DATE:
550358	MARCH 4, 2016
REVISIONS	DESCRIPTION
DATE	DESCRIPTION

CODE SUMMARY

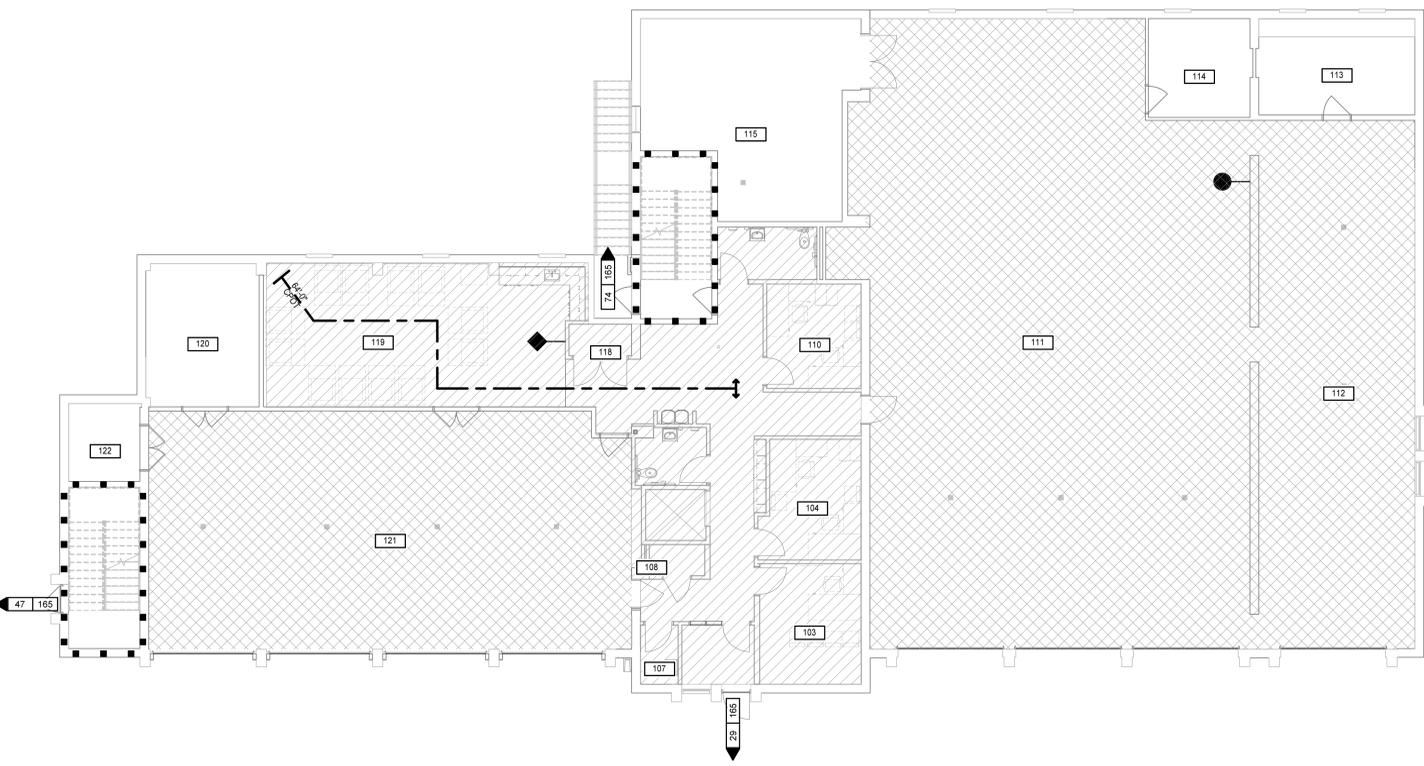


PROJECT NO:	DATE:
550358	MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

LIFE SAFETY INFORMATION



LIFE SAFETY PLAN - SECOND FLOOR
 1/8" = 1'-0"



LIFE SAFETY PLAN - FIRST FLOOR
 1/8" = 1'-0"

SPACE NUMBER	SPACE NAME	USE CLASSIFICATION	USED TO DETERMINE OCCUPANCY FACTOR ONLY	FLOOR AREA PER OCCUPANT		AREA		OCCUPANCY LOAD		
				SF	GROSS	NET	TABULAR	ACTUAL	DESIGN	
103	CAR SEAT OFFICE	B	BUSINESS AREAS	100 SF	158	•	2		2	
104	ENGINE OFFICE	B	BUSINESS AREAS	100 SF	149	•	2		2	
107	JANITOR	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	29	•	1		1	
108	MACHINE ROOM	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	22	•	1		1	
110	TRUCK OFFICE	B	BUSINESS AREAS	100 SF	128	•	2		2	
111	SOUTH APPARATUS BAYS	S2	PARKING GARAGE	200 SF	3024	•	16		16	
112	WASH BAY	S2	PARKING GARAGE	200 SF	1070	•	6		6	
113	SHOP	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	194	•	1		1	
114	SHOP	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	130	•	1		1	
115	MECHANICAL ROOM	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	477	•	2		2	
118	I.T.	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	25	•	1		1	
119	DAY ROOM	R2	DORMITORY	50 SF	567	•	12		12	
120	STORAGE	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	209	•	1		1	
121	NORTH APPARATUS BAYS	S2	PARKING GARAGE	200 SF	1508	•	8		8	
122	EMS STORAGE CLOSET	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	72	•	1		1	
202	BUNK ROOM	R2	DORMITORY	50 SF	68	•	2	1	1	
203	BUNK ROOM	R2	DORMITORY	50 SF	70	•	2	1	1	
204	BUNK ROOM	R2	DORMITORY	50 SF	70	•	2	1	1	
205	BUNK ROOM	R2	DORMITORY	50 SF	70	•	2	1	1	
206	BUNK ROOM	R2	DORMITORY	50 SF	70	•	2	1	1	
207	BUNK ROOM	R2	DORMITORY	50 SF	70	•	2	1	1	
208	BUNK ROOM	R2	DORMITORY	50 SF	70	•	2	1	1	
209	BUNK ROOM	R2	DORMITORY	50 SF	70	•	2	1	1	
210	BUNK ROOM	R2	DORMITORY	50 SF	70	•	2	1	1	
211	BUNK ROOM	R2	DORMITORY	50 SF	92	•	2	2	2	
218	BUNK ROOM	R2	DORMITORY	50 SF	84	•	2	1	1	
220	LAUNDRY JANITOR ROOM	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	65	•	1		1	
223	EXERCISE ROOM	R2	EXERCISE ROOM	50 SF	706	•	15		15	
224	KITCHEN / DINING	R2	RESIDENTIAL	200 SF	443	•	3		3	
225	TRAINING ROOM	A3	ASSEMBLY, UNCONCENTRATED	15 SF	691	•	47		47	
226	TRAINING STORAGE CLOSET	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	72	•	1		1	
228	FOOD LOCKER	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	10	•	1		1	
229	FOOD LOCKER	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	10	•	1		1	
230	FOOD LOCKER	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	10	•	1		1	
232	STORAGE CLOSET	S2	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	16	•	1		1	
								150		

FACILITY OCCUPANT LOAD		LIFE SAFETY - GENERAL DATA							
USE CLASSIFICATION	DESIGN OCCUPANCY LOAD	BUILDING	OCCUPANCY CLASSIFICATION	CONSTRUCTION TYPE	FULLY SPRINKLERED	MIXED OCCUPANCY	NON-SEPARATED MIXED USE	SEPARATED MIXED USE	OCCUPANCY CLASSIFICATION - DESIGN
A3	47	1	R2	II-B	Yes	Yes	Yes	No	R2: RESIDENTIAL
B	6								
R2	12								
S2	45								
	110								

NOTE: THE FACILITY OCCUPANT LOAD WILL BE USED TO DETERMINE PLUMBING COUNTS

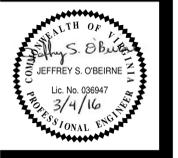
LIFE SAFETY - FACILITY TOTAL AREA	
BUILDING	AREA (SF)
BUILDING 1 - STORY 1	9086
BUILDING 1 - STORY 2	4838
Grand total	13724

WORK AREAS	
LEVEL 1 ALTRATIONS	5,629 SF, 41%
LEVEL 2 ALTRATIONS	6,050 SF, 44%

FIRE RATED ASSEMBLIES				
REPRESENTED BY (X1)				
THE ASSEMBLIES REFERENCED ARE BASIS OF DESIGN; EQUIVALENT COMPATIBLE TESTED ASSEMBLIES WILL BE ACCEPTABLE IF APPROVED BY THE LAHJ				
MARK	FIRE RATING	APPLIES TO	REFERENCE	REMARKS
X1	1/2 HR	FIRE PARTITIONS SEPARATING SLEEPING ROOMS	U419	

LIFE SAFETY SYMBOL LEGEND				
APPLIES TO LS SERIES OF DRAWINGS ONLY				
DESIGNATOR MATRIX			SYMBOLS	
	WALL	BARRIER	PARTITION	RATED EXT WALL
2 HR FIRE	■	■	■	■
1/2 HR FIRE	■	■	■	■

NOTE: WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL WALL/PARTITION CONSTRUCTION. REFER TO THE CONTRACT DOCUMENTS INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.



PROJECT NO:	DATE:
550358	MARCH 4, 2016
DATE:	REVISIONS
	DESCRIPTION

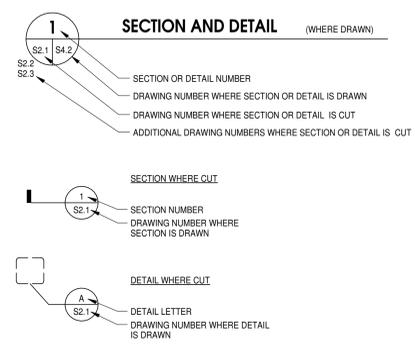
STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLT	HORIZ	HORIZONTAL
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	HS	HIGH STRENGTH
AF	AVERAGE	HSS	HOLLOW STRUCTURAL SECTION
ALUM	ALUMINUM	HT	HEIGHT
APPROX	APPROXIMATE	IN	INCH
ARCH	ARCHITECTURAL ARCHITECT	INFO	INFORMATION
AVG	AVERAGE	INT	INTERIOR
BLDG	BUILDING	JBE	JOIST BEARING ELEVATION
BM	BEAM	JS	JOIST SUBSTITUTE
BOT	BOTTOM	JST	JOIST
BRG	BEARING	K	KIP
BTWN	BETWEEN	LBS	POUNDS
CFSF	COLD FORMED STEEL FRAMING	LF	LINEAR FEET (FOOT)
CIP	CAST IN PLACE	LLH	LONG LEG HORIZONTAL
CJ	CONTROL JOINT	LLV	LONG LEG VERTICAL
CLG	CEILING	LUL	LIMITED USE LIMITED APPLICATION
CLR	CLEAR	M	METERS
CMU	CONCRETE MASONRY UNIT	MAS	MASONRY
COL	COLUMN	MATL	MATERIAL
CONC	CONCRETE	MAX	MAXIMUM
CONN	CONNECTION	MECH	MECHANICAL
CONSTR	CONSTRUCTION	MFR	MANUFACTURER
CONT	CONTINUOUS	MIN	MINIMUM
CTR	CENTER	MM	MILLIMETER(S)
DEA	DEFORMED BAR ANCHOR	NOM	NOMINAL
DBL	DOUBLE	NS	NON SHRINK
DIAG	DIAGONAL	OC	ON CENTER
DIAM	DIAMETER	OD	OUTSIDE DIAMETER
DM	DIMENSION	OPNG	OPENING
DN	DOWN	OPP	OPPOSITE
DWG	DRAWING	PC CONC	PRECAST CONCRETE
EA	EACH	PLF	POUNDS PER LINEAR FOOT
EF	EACH FACE	POLY	POLYETHYLENE
EJ	EXPANSION JOINT	PPT	PRESSURE PRESERVATIVE TREATED
EL	ELEVATION	PSF	POUNDS PER SQUARE FOOT
ELECT	ELECTRICAL	R	RADIUS
ELEV	ELEVATOR	RD	ROOF DRAIN
EOD	EDGE OF DECK	REF	REFERENCE
EOS	EDGE OF SLAB	REINF	REINFORCING, REINFORCED
EQ	EQUAL	REQD	REQUIRED
EW	EACH WAY	SIM	SIMILAR
EXIST	EXISTING	SL	SLOPE
EXP	EXPANSION	SOG	SLAB ON GRADE
EXT	EXTERIOR	SPA	SPACES
FD	FLOOR DRAIN	SS	STAINLESS STEEL
FDN	FOUNDATION	STD	STANDARD
FF	FINISHED FLOOR	STIFF	STIFFENER
FIN	FINISHED	STRUCT	STRUCTURAL
FLR	FLOOR	SUSP	SUSPENDED
FOB	FACE OF BRICK	SYM	SYMMETRY (RICAL)
FOC	FACE OF CONCRETE	T&B	TOP AND BOTTOM
FOM	FACE OF MASONRY	T&G	TONGUE AND GROOVE
FRMG	FRAMING	TOC	TOP OF CONCRETE
FRT	FIRE RETARDANT TREATED	TOS	TOP OF STEEL
FT	FOOT	TOSL	TOP OF SLAB
FTG	FOOTING	TOW	TOP OF WALL
GA	GAGE	TYP	TYPICAL
GALV	GALVANIZED	UNO	UNLESS NOTED OTHERWISE
GB	GRADE BEAM	VB	VAPOR BARRIER
GC	GENERAL CONTRACTOR	VERT	VERTICAL
GRD	GRADE	VR	VAPOR RETARDER
HD	HEADED	WP	WORK POINT
HK	HOOK	WWF	WELDED WIRE FABRIC

DESIGN LOAD DATA

1. CLASSIFICATION OF BUILDING RISK CATEGORY (IBC TABLE 1604.5)	IV	
2. FLOOR LIVE LOADS	UNIFORM	CONCENTRATED
OFFICES	50 PSF	2000 LB
PARTITION ALLOWANCE	15 PSF	
FIRST FLOOR CORRIDORS/LOBBIES	100 PSF	2000 LB
LOBBIES AND FIRST FLOOR CORRIDORS	100 PSF	2000 LB
SECOND FLOOR CORRIDORS	80 PSF	2000 LB
BUNK ROOMS	40 PSF	
CONCENTRATED LOAD APPLIED OVER 2'-6" x 2'-6" AREA		
REDUCTION OF FLOOR LIVE LOAD HAS NOT BEEN UTILIZED.		
3. ROOF LIVE LOADS		
MINIMUM ROOF LIVE LOAD	20 PSF	300 LB
CONCENTRATED LOAD APPLIED OVER 2'-6" x 2'-6" AREA		
REDUCTION OF MINIMUM ROOF LIVE LOAD HAS NOT BEEN UTILIZED.		
4. ROOF SNOW LOAD		
GROUND SNOW LOAD (Pg)	35 PSF	
IMPORTANCE FACTOR (I _s)	1.1	
EXPOSURE FACTOR (Ce)	1.0	
THERMAL FACTOR (Ct)	1.0	
FLAT ROOF SNOW LOAD (P _f = 0.7 x Ce x Ct x I _s x P _g)	27.0 PSF	
MINIMUM P _f FOR P _g > 20 PSF	22 PSF	
P _f min = 20 x 1		
5. EXISTING BUILDING LATERAL SYSTEM WILL NOT BE ALTERED BY STRUCTURAL RENOVATION.		

LEGEND FOR SECTION AND DETAIL MARKS



GENERAL

- THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE (USBC), 2012 EDITION, EFFECTIVE JANUARY 1, 2012 (INTERNATIONAL BUILDING CODE 2012).
- THE STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND THE DRAWINGS OF THE OTHER ENGINEERING DISCIPLINES.
- VERIFY AND COORDINATE MECHANICAL UNIT SUPPORTS AND OPENINGS WITH EQUIPMENT PURCHASED FOR THE PROJECT. COORDINATE REQUIREMENTS FOR SLEEVES, HANGERS, INSERTS, ANCHORS AND ALL OTHER ITEMS TO BE SET IN STRUCTURAL WORK.
- SPECIAL INSPECTIONS ARE REQUIRED BY THE USBC (INTERNATIONAL BUILDING CODE 2012, SECTION 1704). REFER TO THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THIS PROJECT AND THE FOLLOWING PROJECT SPECIFICATIONS FOR SPECIFIC INSPECTION REQUIREMENTS.

033000	CAST-IN-PLACE CONCRETE
042000	UNIT MASONRY
051200	STRUCTURAL STEEL FRAMING
051300	STEEL DECKING

 REFER TO SPECIFICATION SECTION 014000 FOR GENERAL INSPECTION REQUIREMENTS.

CONCRETE

- ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318-11 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND ACI 301-10 "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE".
- CONCRETE SHALL BE NORMAL WEIGHT AND SHALL OBTAIN ULTIMATE 28 DAY COMPRESSIVE STRENGTHS (F_c), AS FOLLOWS:

SLABS ON STEEL DECK	3500 PSI
ELEVATED SLABS AND BEAMS	4000 PSI
- ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED.
- REINFORCING STEEL SHALL BE AS FOLLOWS:

REINFORCING BARS:	ASTM A615, GRADE 60, DEFORMED
WELDED WIRE FABRIC:	ASTM A185, SHEET TYPE ONLY
WELDABLE REINFORCING BARS:	ASTM A706 LOW ALLOW STEEL REINFORCING BARS, DEFORMED
DEFORMED BAR ANCHORS (DBA):	ASTM A496, DEFORMED, (FOR CONCRETE REINFORCING)
- LAP SPLICES SHALL BE CLASS B UNLESS NOTED OTHERWISE. WELDING PER AWS D1.4 STRUCTURAL WELDING CODE - REINFORCING STEEL.
- UNLESS OTHERWISE INDICATED, PROVIDE CONTROL JOINTS IN SLABS ON GRADE WITHIN THE BUILDING, SUCH THAT THE AREA BOUNDED BY CONTROL JOINTS DOES NOT EXCEED 225 SQUARE FEET AND JOINT SPACING DOES NOT EXCEED 18'-0" ON CENTER IN ANY ONE DIRECTION. THE RATIO OF LENGTH TO WIDTH OF THE AREA BOUNDED BY CONTROL JOINTS SHALL NOT EXCEED 1.5 TO 1. PROVIDE DIAMOND OR CIRCULAR BLOCKOUTS AT COLUMNS.
- REINFORCE ALL RE-ENTRANT CORNERS OF SLAB CASTINGS WITH (2) #4 x 3'-0" LONG IN ADDITION TO WELDED WIRE FABRIC.
- PROVIDE BOND BREAK WHERE FLOOR SLAB ABUTS CMU OR CONCRETE WALL.
- PLACE CONCRETE MONOLITHICALLY ON STEEL FLOOR DECK. CONSTRUCTION JOINTS MAY BE PERMITTED ONLY AFTER APPROVAL OF THE ARCHITECT / STRUCTURAL ENGINEER.
- CONCRETE THICKNESS INDICATED ON FLOOR DECK IS A MINIMUM THICKNESS AND MAY INCREASE TO MAINTAIN A LEVEL SURFACE AS FLOOR FRAMING DEFLECTS DURING CONCRETE PLACEMENT.

STRUCTURAL STEEL

- ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING AISC DOCUMENTS:
 - ASTM 360-10 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" DATED JUNE 22, 2010.
 - ASTM 305-10 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" DATED APRIL 14, 2010.
 - RCSCS "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS" DATED DECEMBER 31, 2009.
- STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:

WIDE FLANGE SHAPES	ASTM A992 (FY-50 KSI)
MISCELLANEOUS SHAPES, PLATES & BARS	ASTM A36 (FY-36 KSI)
HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A500, GRADE B (FY-46 KSI)
SQUARE & RECTANGLE ROUND	ASTM A500, GRADE B TYPE E OR S (FY-35 KSI)
PIPE	ASTM A53, GRADE B (FY-42 KSI)
HIGH STRENGTH BOLTS	ASTM A325
WASHERS	ASTM F436
HEAVY HEX NUTS	ASTM A493
ANCHOR RODS	ASTM A307
WELDING ELECTRODES	E70 (LOW HYDROGEN)
THREADED ROD	ASTM A36
- UNLESS NOTED OTHERWISE, CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH AISC MANUAL OF STEEL CONSTRUCTION, 14TH EDITION AS SIMPLE CONNECTIONS USING ALLOWABLE STRENGTH DESIGN (ASD). CONNECTIONS FOR NON-COMPOSITE BEAMS SHALL BE DESIGNED FOR THE UNIFORM LOAD CAPACITY INDICATED IN THE ALLOWABLE UNIFORM LOAD TABLES, PART 3, OF THE AISC MANUAL OF STEEL CONSTRUCTION.
- BOLTED JOINTS SHALL BE "SNUG TIGHTENED", AND SHALL HAVE THREADS EXCLUDED FROM THE SHEAR PLANE, UNLESS OTHERWISE INDICATED.
- WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 "STRUCTURAL WELDING CODE - STEEL".
- WHERE STRUCTURAL STEEL IS EXPOSED BELOW GRADE, OR ENCASED IN CMU, PROVIDE MINIMUM 3" CONCRETE COVER OR COAT WITH BITUMINOUS MASTIC.
- STRUCTURAL STEEL EXPOSED TO WEATHER IN THE FINISHED WORK SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123, UNLESS NOTED OTHERWISE.

STEEL DECK

- ALL STEEL DECK WORK SHALL CONFORM TO THE LATEST EDITION OF THE STEEL DECK INSTITUTE (SDI) "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS", AND AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".
- WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL".
- PERMANENT LOADS SHALL NOT BE SUSPENDED FROM STEEL ROOF DECK UNLESS APPROVED BY ENGINEER.
- STEEL DECK UP TO 2" DEEP SHALL BE INSTALLED WITH A MINIMUM OF 3 CONTINUOUS SPANS. UNLESS NOTED OTHERWISE, STEEL DECK 3" DEEP OR GREATER SHALL BE INSTALLED WITH A MINIMUM OF 2 CONTINUOUS SPANS. UNLESS NOTED OTHERWISE, ANY LOCATIONS NOT MEETING THESE CONDITIONS SHALL BE SPECIFICALLY IDENTIFIED ON THE STEEL DECK SHOP DRAWINGS FOR REVIEW BY THE ARCHITECT.
- REFER TO "STEEL DECK SCHEDULE" FOR DECK TYPES AND FASTENING REQUIREMENTS.

TEMPORARY SHORING

- PROVIDE TEMPORARY SHORING AND BRACING TO MAINTAIN THE EXISTING STRUCTURE IN PROPER ALIGNMENT UNTIL PERMANENT CONSTRUCTION AND LATERAL BRACING IS IN PLACE.
- THE TEMPORARY SHORING DIAGRAMS ARE CONCEPTUAL ONLY. DESIGN OF TEMPORARY SHORING SHALL BE PROVIDED BY THE CONTRACTOR. DESIGN CALCULATIONS AND SHORING DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE COMMONWEALTH OF VIRGINIA.
- CAREFULLY EVALUATE THE SITUATION WHICH EXISTS PRIOR TO COMMENCEMENT OF WORK. NOTIFY THE ARCHITECT IF ANY CONDITIONS ARE DETECTED WHICH MAY AFFECT THE STABILITY OF THE EXISTING STRUCTURE OR THE SHORING.
- MONITOR THE PERFORMANCE OF THE TEMPORARY SHORING AT ALL TIMES DURING THIS WORK AND HAVE ADDITIONAL SHORING READILY AVAILABLE ON SITE IN THE EVENT OF DEFLECTION OR OTHER MOVEMENT OF THE SHORING.

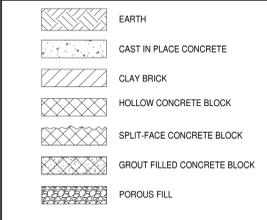
POST INSTALLED ANCHORS & DOWELS

- INSTALL ALL ANCHORS IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED PROCEDURES AT NOT LESS THAN THE MINIMUM EDGE DISTANCES INDICATED IN THE MANUFACTURER'S LITERATURE. SUBMIT MANUFACTURER'S PRODUCT DATA FOR REVIEW BY THE ARCHITECT.
- ALL ANCHORS (INCLUDING THREADED RODS, NUTS, WASHERS) SHALL BE ZINC PLATED IN ACCORDANCE WITH ASTM B633, FOR SERVICE CONDITION SC-1.
- SREW ANCHORS SHALL BE ONE OF THE FOLLOWING:
 - WEDGE BOLT +, BY POWERS FASTENERS
 - ITEM #10, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
 - KWIK HUS-EZ, BY HILTI
- HOLE DIAMETER THROUGH STEEL MEMBER SHALL BE 1/8 INCH LARGER THAN NOMINAL DIAMETER OF ANCHOR.
- MINIMUM SCREW ANCHOR EMBEDMENTS SHALL BE AS FOLLOWS, UNO:
 - 4" EMBEDMENT FOR 1/2" DIAMETER ANCHOR
 - 5" EMBEDMENT FOR 5/8" DIAMETER ANCHOR
 - 6" EMBEDMENT FOR 3/4" DIAMETER ANCHOR
- ADHESIVE ANCHORS SHALL CONSIST OF THREADED ROD (ASTM A36), HEX NUT (ASTM A563), WASHER (ASTM F436), AND ADHESIVE (TYPE PER NOTES A, B OR C BELOW).
 - ADHESIVE DOWELS SHALL CONSIST OF DEFORMED REINFORCING BAR (ASTM A615, GRADE 60) AND ADHESIVE (TYPE PER NOTE A BELOW)
 - A. "ADHESIVE ANCHORS" OR "ADHESIVE DOWELS" INSTALLED IN SOLID CONCRETE SHALL UTILIZE ONE OF THE FOLLOWING ADHESIVES:
 - HYBRID (FAST CURE)
 - ACRYLIC TIE XP, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
 - HIT-HY 200, BY HILTI
 - EPOXY (SLOW CURE)
 - PE 1000+, BY POWERS FASTENERS
 - SET-XP, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
 - HIT 800, BY HILTI
 - B. "ADHESIVE ANCHORS" INSTALLED IN SOLID GROUT FILLED CMU SHALL UTILIZE ONE OF THE FOLLOWING ADHESIVES:
 - HIT-HY 70, BY HILTI
 - AC 100+ GOLD, BY POWERS FASTENERS
 - ACRYLIC TIE, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
 - EPCON 47, BY ITW RED HEAD
 - C. "SCREEN TUBE ANCHORS" INSTALLED IN HOLLOW CMU SHALL UTILIZE ONE OF THE FOLLOWING ADHESIVES:
 - HIT-HY 70, BY HILTI
 - AC 100+ GOLD, BY POWERS FASTENERS
 - ACRYLIC TIE, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
 - TRUBOLT +, BY ITW RED HEAD
 - EXPANSION ANCHORS SHALL BE ONE OF THE FOLLOWING:
 - POWER-STUD + SD1, BY POWERS FASTENERS
 - KWIK-BOLT 1/2, BY HILTI
 - STRONG-BOLT 2, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
 - TRUBOLT +, BY ITW RED HEAD

RENOVATION

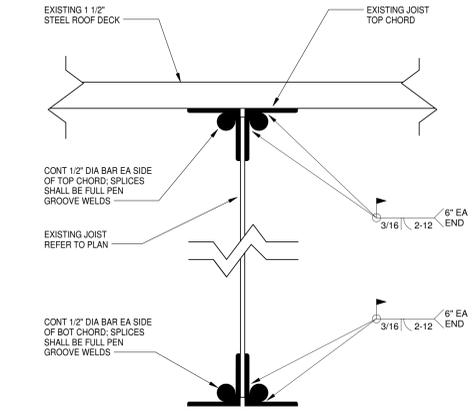
- EXISTING CONSTRUCTION INDICATED ON THE STRUCTURAL DRAWINGS IS BASED ON INFORMATION OBTAINED FROM THE ORIGINAL DESIGN DRAWINGS AND ON LIMITED OBSERVATIONS OF EXISTING CONDITIONS. THIS INFORMATION, INCLUDING STRUCTURAL COMPONENT TYPE, SIZE AND ORIENTATION HAS NOT BEEN CONFIRMED IN ALL CASES, AND MAY NOT MATCH "AS-BUILT" EXISTING CONSTRUCTION. ALL EXISTING CONDITIONS AND DIMENSIONS RELATING TO THE PROPOSED NEW WORK SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION AND CONSTRUCTION OF STRUCTURAL ELEMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- EXISTING CONSTRUCTION IS INDICATED USING A LIGHTER LINE WEIGHT THAN PROPOSED NEW CONSTRUCTION IN PLANS AND SECTIONS.

STRUCTURAL MATERIALS LEGEND

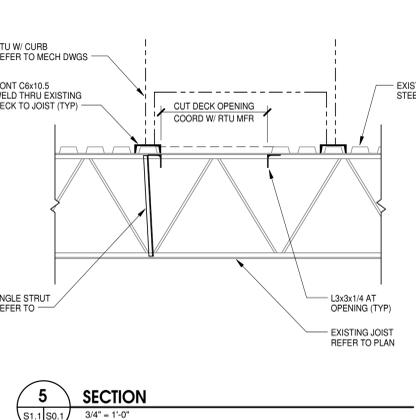


PLAN LEGEND

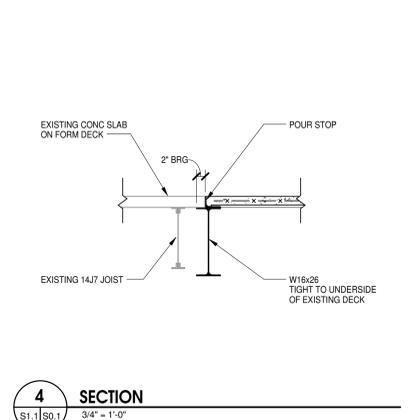
CL	CENTERLINE
JBE (+X-X')	JOIST BEARING ELEVATION
BP1, BP2 ...	BEAM BEARING PLATE MARK
BP-A, BP-B ...	COLUMN BASE PLATE MARK
P-1, P-2 ...	CONCRETE PIER MARK
WALL FOOTING STEP	WALL FOOTING STEP
+X-X'	TOP OF FOOTING ELEVATION
WP	WORK POINT
+X-X'	TOP OF SLAB ELEVATION
L1, L2 ...	LINTEL MARK
XX	COLUMN FOOTING MARK
(+X-X')	TOP OF STEEL BEAM ELEVATION
(J)	INDICATES TOP OF STRUCTURAL MEMBER SHALL BE IN SAME PLANE AS TOP OF JOIST
(SL)	INDICATES TOP OF STRUCTURAL MEMBER SHALL BE SLOPED
WFX.X	WALL FOOTING MARK
(E)	EXISTING



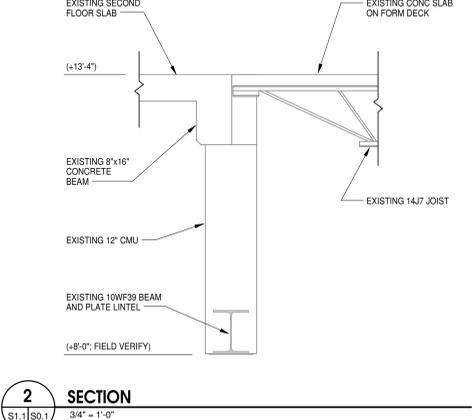
TYPICAL EXISTING JOIST TOP AND BOTTOM CHORD REINFORCING
3'-1'-0"



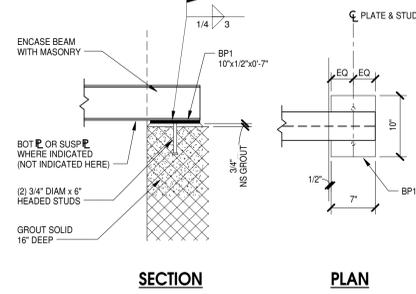
5 SECTION
S1.1 | S0.1 | 3'-1'-0"



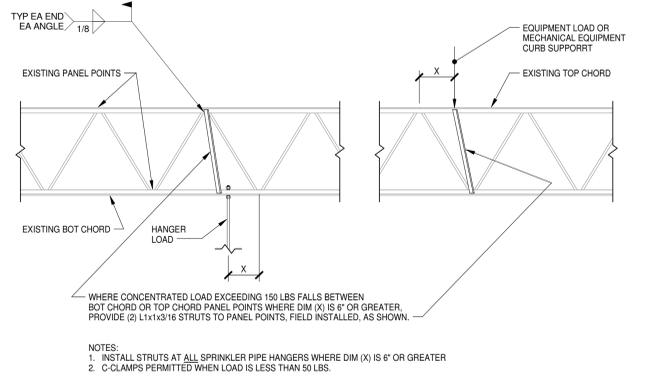
4 SECTION
S1.1 | S0.1 | 3'-1'-0"



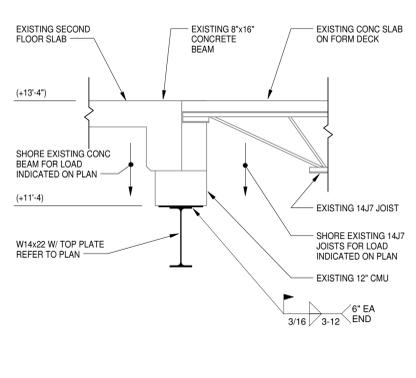
2 SECTION
S1.1 | S0.1 | 3'-1'-0"



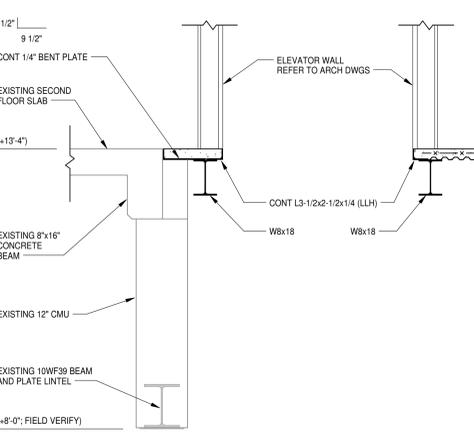
BEAM ANCHORAGE DETAILS
NO SCALE



TYPICAL EXISTING JOIST REINFORCING WHERE CONCENTRATED LOAD FALLS BETWEEN CHORD PANEL POINTS
NO SCALE



3 SECTION
S1.1 | S0.1 | 3'-1'-0"

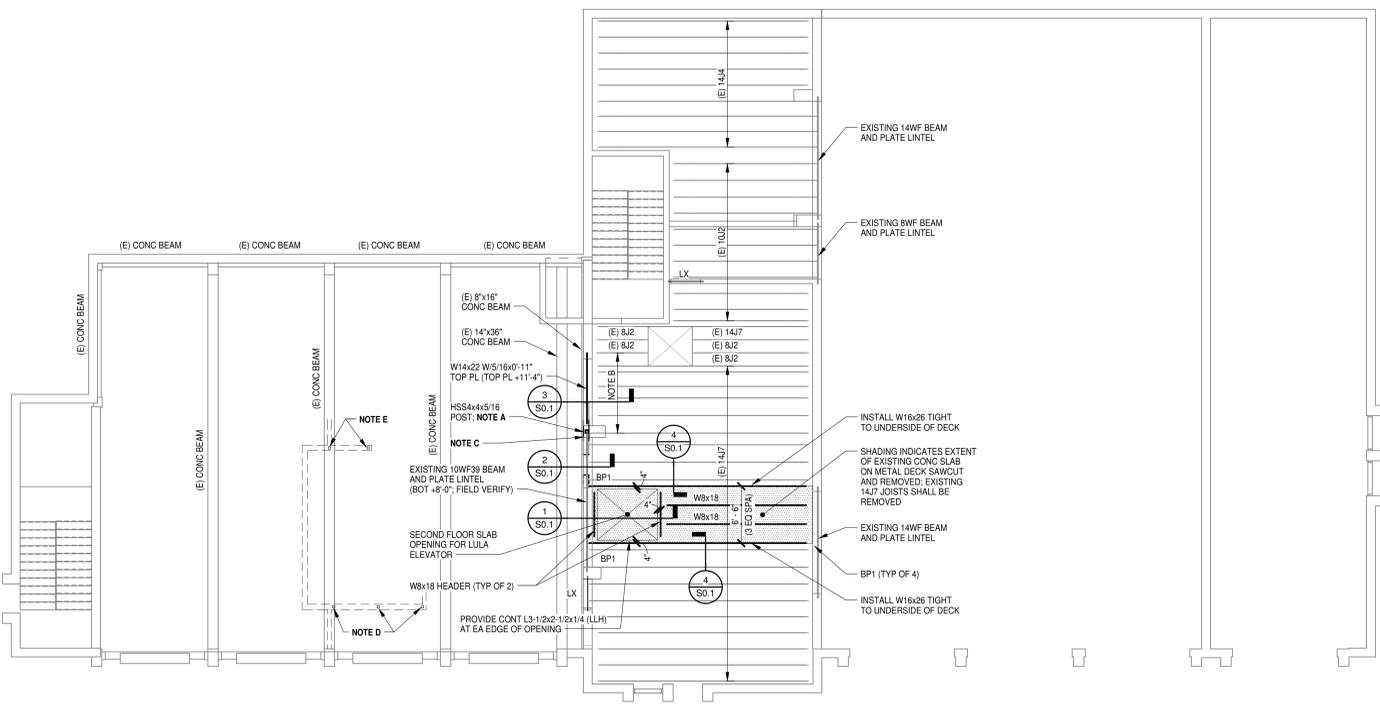


1 SECTION
S1.1 | S0.1 | 3'-1'-0"

TYPICAL EXISTING DECK OPENING
3'-4" = 1'-0"

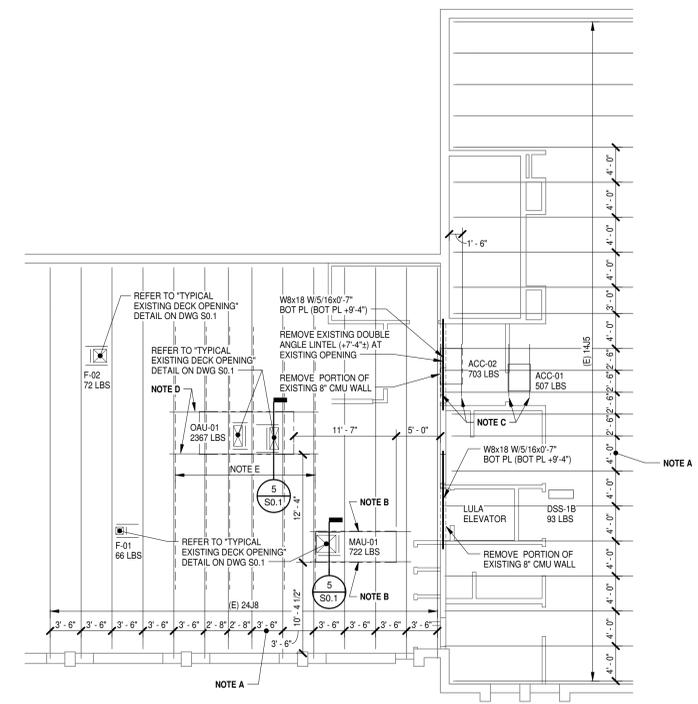


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SECOND FLOOR FRAMING PLAN
1/8" = 1'-0"

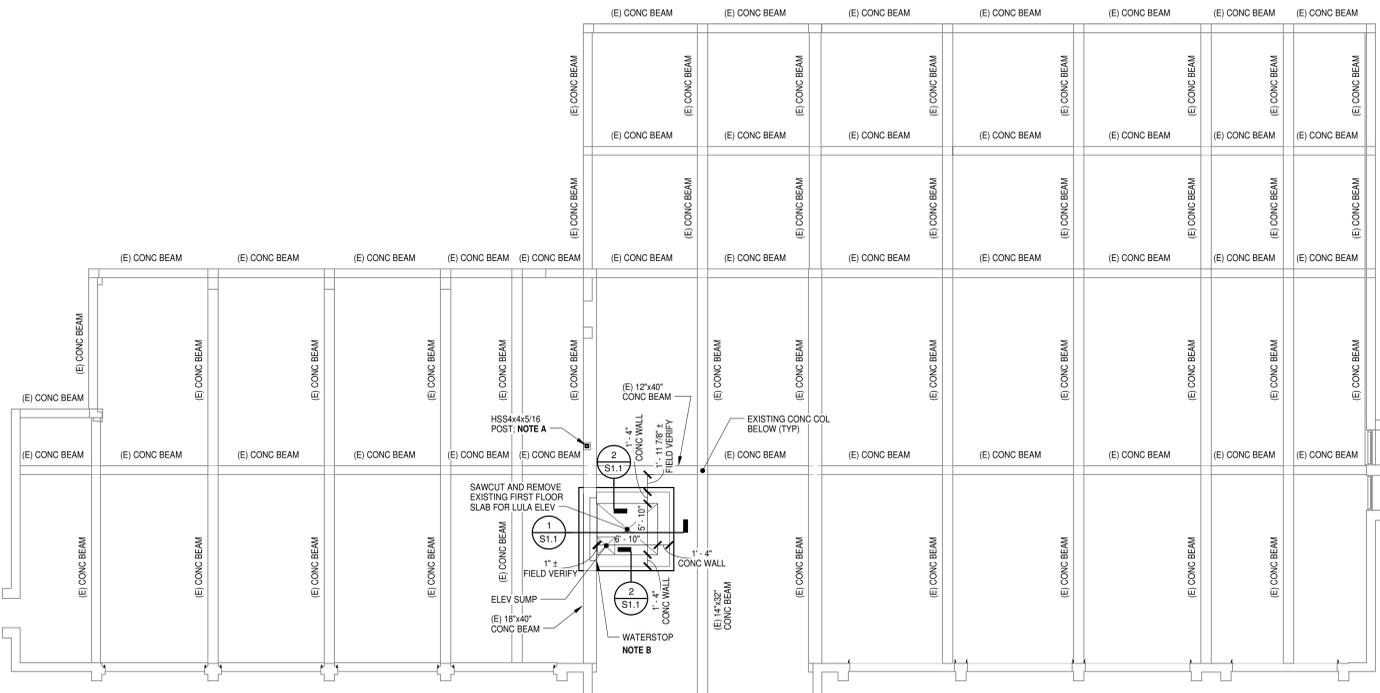
- NOTES:**
- SECOND FLOOR INFILL SLAB CONSTRUCTION SHALL BE NORMAL WEIGHT CONCRETE SLAB ON GALVANIZED 9/16", 24 GAGE FORM DECK (2-1/2" TOTAL THICKNESS TO MATCH EXISTING) REINFORCED WITH #6x10 @ 12" O.C. (MID-DEPTH). FASTEN TO ALL SUPPORTS USING WELDING WASHERS AT 30x4 PATTERN, AND AT 6" OC AT ALL EDGES. FASTEN SIDELAPS WITH #10 TEK SCREWS AT MID-SPAN AND NOT GREATER THAN 18" OC.
 - ALL BEAM AND PLATE LINTELS SHALL HAVE 8"x3/8"x0'-8" BEARING PLATES WELDED ON EACH END. LINTELS SHALL BEAR ON MINIMUM 8" DEEP GROUT FILLED OR SOLID MASONRY.
 - NOTE A: PROVIDE HSS4x4 POST W/ 10x12x0'-10" BASE PLATE W/ (4) 5/8" DIAM ADHESIVE ANCHORS (5" EMBED, 7" GAGE) OVER EXISTING 18x40 CONCRETE BEAM. INSTALL POST TIGHT TO EXISTING 10WF39 BEAM AND PLATE LINTEL TO ALLOW CONNECTION OF EXISTING 10WF39 BEAM AND PLATE LINTEL TO HSS4x4 POST WITH NEW DOUBLE SHEAR TAB. NEW W14x22 BEAM AND PLATE LINTEL SHALL BE CONNECTED TO HSS4x4 POST ON OPPOSITE SIDE.
 - NOTE B: SHORE EXISTING OPEN WEB STEEL JOISTS FOR 750 PLF TOTAL LOAD AND SHORE EXISTING 8"x16" CONCRETE BEAM FOR 400 PLF TOTAL LOAD. PROVIDE NEW W14x22 W/ 5'10x0'-11" TOP PLATE LINTEL.
 - NOTE C: SHORE END OF EXISTING 10WF39 BEAM AND PLATE LINTEL FOR 17.5K TOTAL LOAD TO ALLOW REMOVAL OF EXISTING BEARING PLATE AND CONNECTION TO HSS4x4 POST.
 - NOTE D: PROVIDE (3) HSS3x3x1/4 POSTS W/ 5'x12"x0'-7" BASE PLATE W/ (4) 1/2" DIAM CONCRETE SCREW ANCHORS (3" EMBED), EQUALLY SPACED WITHIN 7'-6" TALL KITCHEN WALL (1 POST AT EACH END).
 - NOTE E: PROVIDE (1) HSS3x3x1/4 POST W/ 5'x12"x0'-7" BASE PLATE W/ (4) 1/2" DIAM CONCRETE SCREW ANCHORS (3" EMBED), AT EACH END OF 7'-6" TALL KITCHEN WALL (2 TOTAL POSTS).



PARTIAL ROOF FRAMING PLAN
1/8" = 1'-0"

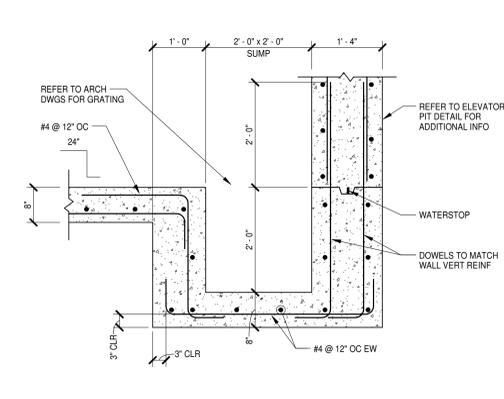
- NOTES:**
- ALL BEAM AND PLATE LINTELS SHALL HAVE 8"x3/8"x0'-8" BEARING PLATES WELDED ON EACH END. LINTELS SHALL BEAR ON MINIMUM 8" DEEP GROUT FILLED OR SOLID MASONRY.
 - NOTE A: DIMENSIONS OF EXISTING SLAB AND 14S ROOF JOISTS INDICATED ARE FROM EXISTING BUILDING DRAWINGS. FIELD VERIFY LOCATIONS OF EXISTING ROOF JOISTS.
 - NOTE B: PROVIDE CONTINUOUS C6x10.5 ACROSS TOPS OF 4 EXISTING JOISTS (MIN). EXTEND 6" BEYOND EDGE OF EACH END JOIST. WELD THRU EXISTING DECK TO EACH JOIST.
 - NOTE C: PROVIDE CONTINUOUS C6x10.5 ACROSS TOPS OF 3 EXISTING JOISTS (MIN). EXTEND 6" MIN BEYOND EDGE OF EACH END JOIST. WELD THRU EXISTING DECK TO EACH JOIST.
 - NOTE D: PROVIDE CONTINUOUS C6x10.5 ACROSS TOPS OF 6 EXISTING JOISTS (MIN). EXTEND 6" MIN BEYOND EDGE OF EACH END JOIST. WELD THRU EXISTING DECK TO EACH JOIST.
 - NOTE E: REINFORCE MIDDLE 30" OF EXISTING JOIST TOP AND BOTTOM CHORDS (6 TOTAL JOISTS). REFER TO "TYPICAL EXISTING JOIST TOP AND BOTTOM CHORD REINFORCING" DETAIL ON DRAWING S0.1.

NOTE: FAN F-05 LOCATED ABOVE WASH BAY NOT INDICATED ON PARTIAL PLAN. SIMILAR TO FAN F-02.

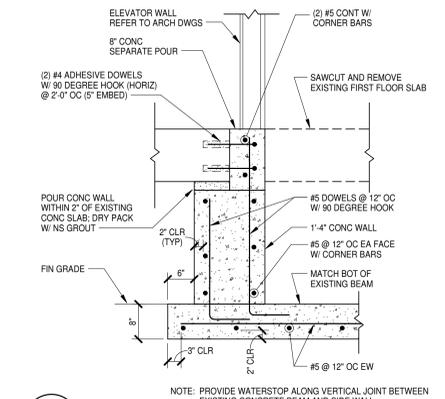


FIRST FLOOR FRAMING PLAN
1/8" = 1'-0"

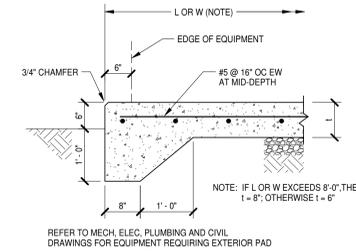
- NOTE A:** PROVIDE HSS4x4 POST W/ 10x12x0'-10" BASE PLATE W/ (4) 5/8" DIAM ADHESIVE ANCHORS OVER EXISTING 18x40 CONCRETE BEAM. INSTALL TIGHT TO EXISTING 10WF BEAM AND PLATE LINTEL TO ALLOW CONNECTION OF EXISTING 10WF BEAM AND PLATE LINTEL TO HSS4x4 POST WITH NEW SHEAR TAB. W14x22 BEAM AND PLATE LINTEL SHALL BE CONNECTED TO HSS4x4 POST.
- NOTE B:** PROVIDE WATERSTOP BELOW EXISTING CONCRETE BEAM AND TURN TO EACH ADJOINING CONCRETE SIDE WALL. RUN WATERSTOP VERTICALLY AT JOINT OF EACH SIDE WALL AND EXISTING CONCRETE BEAM.



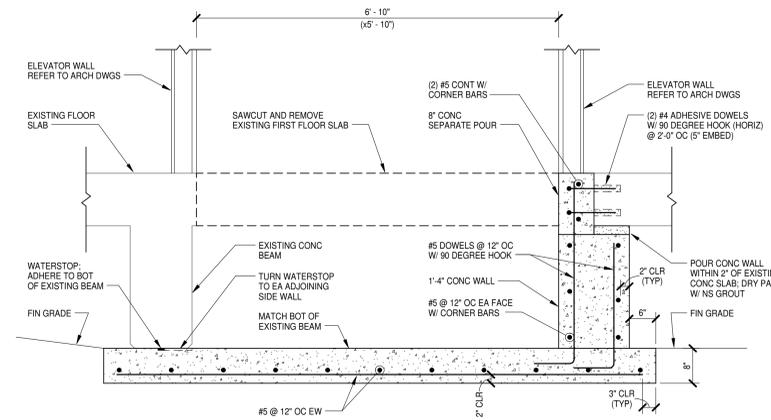
ELEVATOR SUMP DETAIL
3/4" = 1'-0"



SECTION 2
3/4" = 1'-0"



EXTERIOR EQUIPMENT PAD
NO SCALE

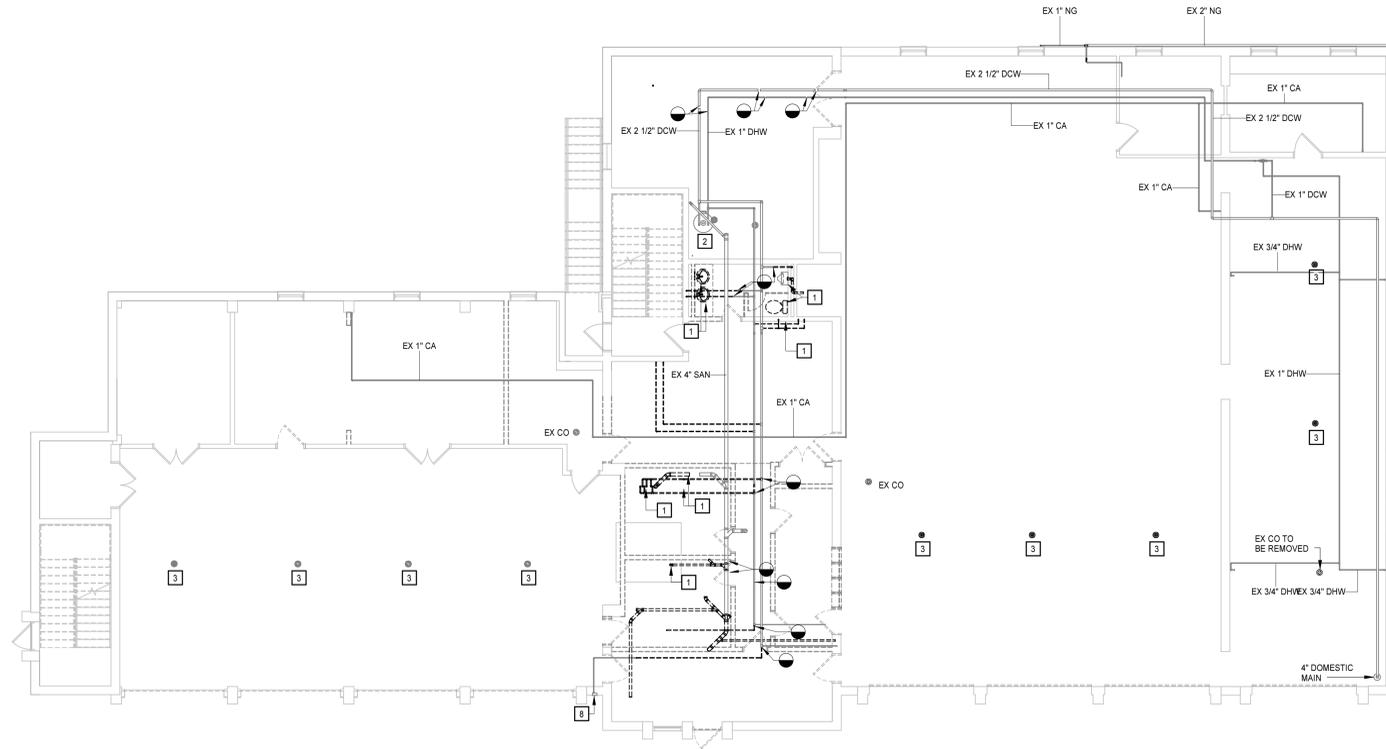


SECTION 1
3/4" = 1'-0"

HARRISONBURG FIRE STATION #1

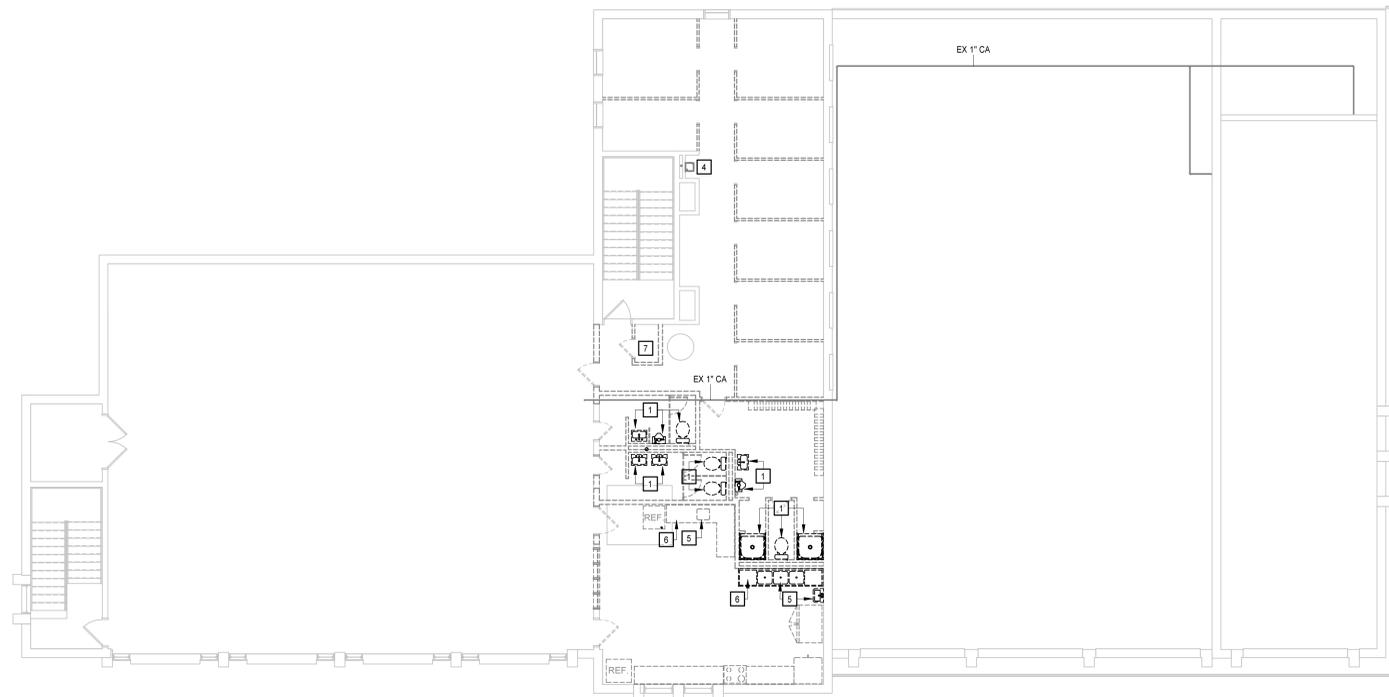
CITY OF HARRISONBURG, VIRGINIA
80 MARYLAND AVE, HARRISONBURG, VIRGINIA 22801

PROJECT NO:	DATE:
550358	MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION



KEYNOTES	
APPLIES TO DRAWING P1.0	
REPRESENTED BY [Symbol]	
1.	REMOVE EXISTING PLUMBING FIXTURE, VALVES, AND ALL ASSOCIATED TRIM MATERIALS. CAP ALL ASSOCIATED WASTE, VENT, AND DOMESTIC WATER PIPING BEHIND FINISH SUBSTRATE. REFER TO DRAWINGS P2.1 AND P2.2 FOR RECONNECTION OF SANITARY AND DOMESTIC PIPING.
2.	EXISTING WATER HEATER TO REMAIN.
3.	EXISTING FLOOR DRAIN TO REMAIN.
4.	EXISTING WATER COOLER TO REMAIN.
5.	REMOVE EXISTING KITCHEN FIXTURE, VALVES, AND ALL ASSOCIATED TRIM MATERIALS. CAP ALL ASSOCIATED WASTE, VENT, AND DOMESTIC WATER PIPING BEHIND FINISH SUBSTRATE.
6.	REMOVE EXISTING GREASE INTERCEPTOR, VALVES, AND ALL ASSOCIATED TRIM MATERIALS. CAP ALL ASSOCIATED WASTE, AND VENT PIPING BEHIND FINISH SUBSTRATE AND FINISH FLOOR.
7.	REMOVE EXISTING PLUMBING FIXTURE, VALVES, AND ALL ASSOCIATED TRIM MATERIALS. CAP ALL ASSOCIATED WASTE, VENT, AND DOMESTIC WATER PIPING BEHIND FINISH SUBSTRATE.
8.	EXISTING WALL HYDRANT TO REMAIN.

FIRST FLOOR PLAN - DEMOLITION - PLUMBING
1/8" = 1'-0"



SECOND FLOOR PLAN - DEMO
1/8" = 1'-0"



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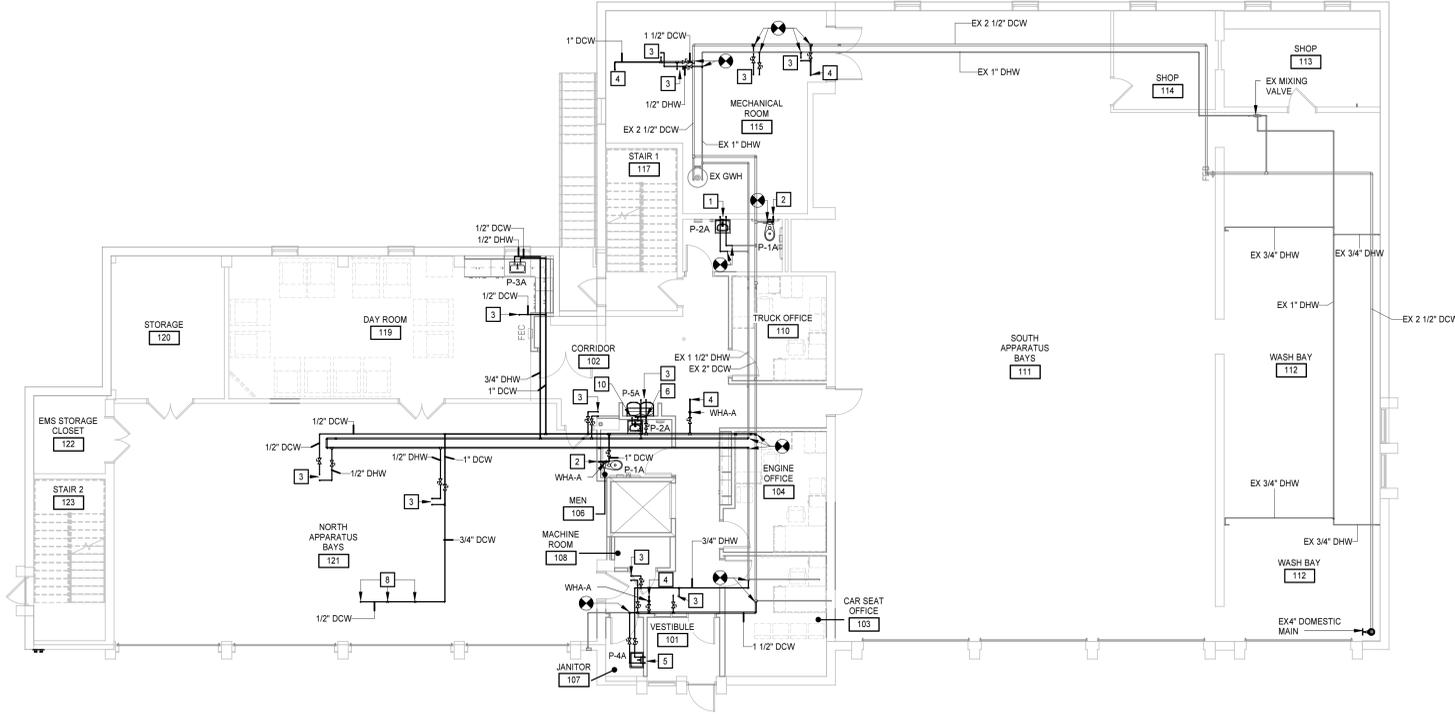
HARRISONBURG FIRE STATION #1
CITY OF HARRISONBURG, VIRGINIA
80 MARYLAND AVE, HARRISONBURG, VIRGINIA 22801

PROJECT NO:	DATE:
550358	MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

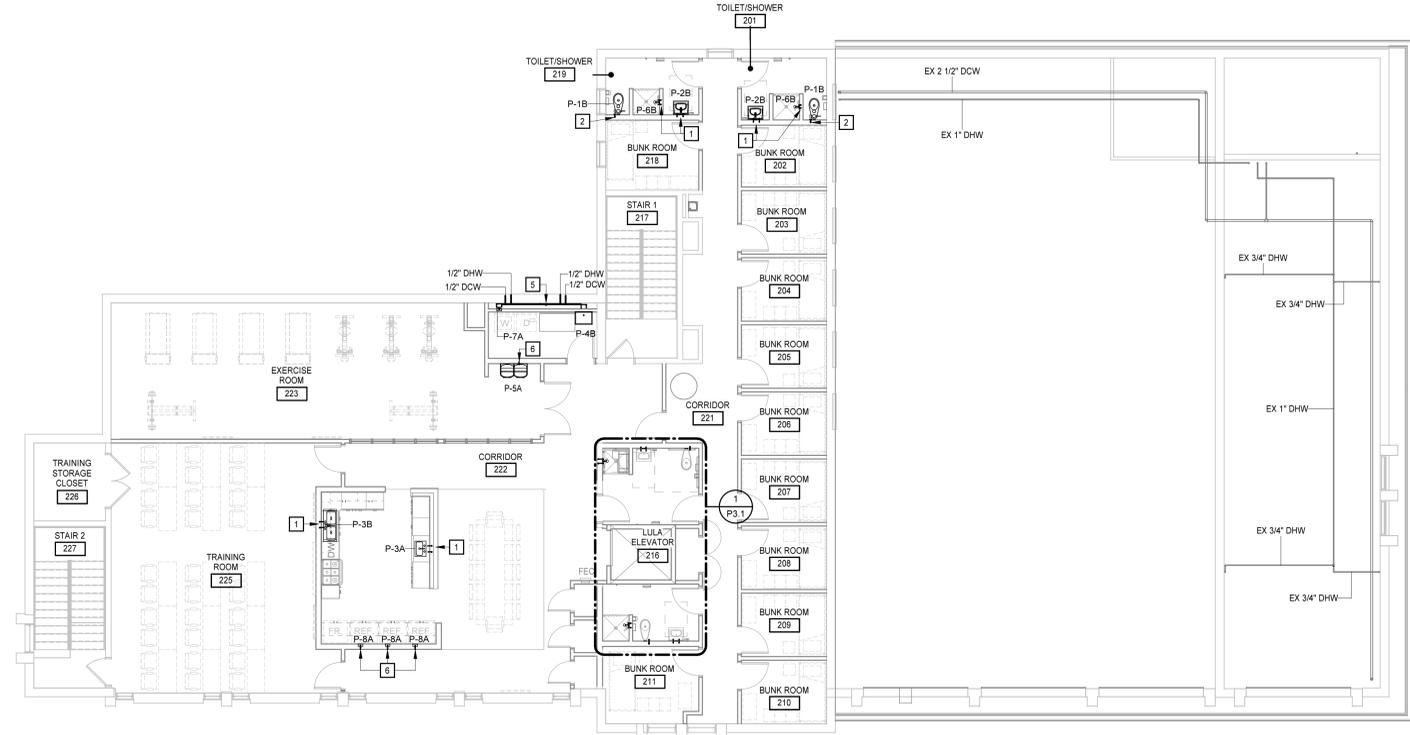
FIRST AND SECOND FLOOR PLAN - DEMOLITION
P1.0



KEYNOTES	
APPLIES TO DRAWINGS P2.1	
REPRESENTED BY	
1.	1/2" DHW & DCW DN
2.	1" DCW DN
3.	1/2" DHW & DCW UP
4.	1" DCW UP
5.	3/4" DHW & DCW DN
6.	1/2" DCW DN
7.	3/4" DHW & DCW UP
8.	1/2" DCW UP TO ICEMAKER
9.	1/2" DCW UP
10.	1/2" DHW DN



FIRST FLOOR PLAN - DOMESTIC
 1/8" = 1'-0"



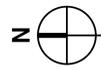
SECOND FLOOR PLAN - DOMESTIC
 1/8" = 1'-0"

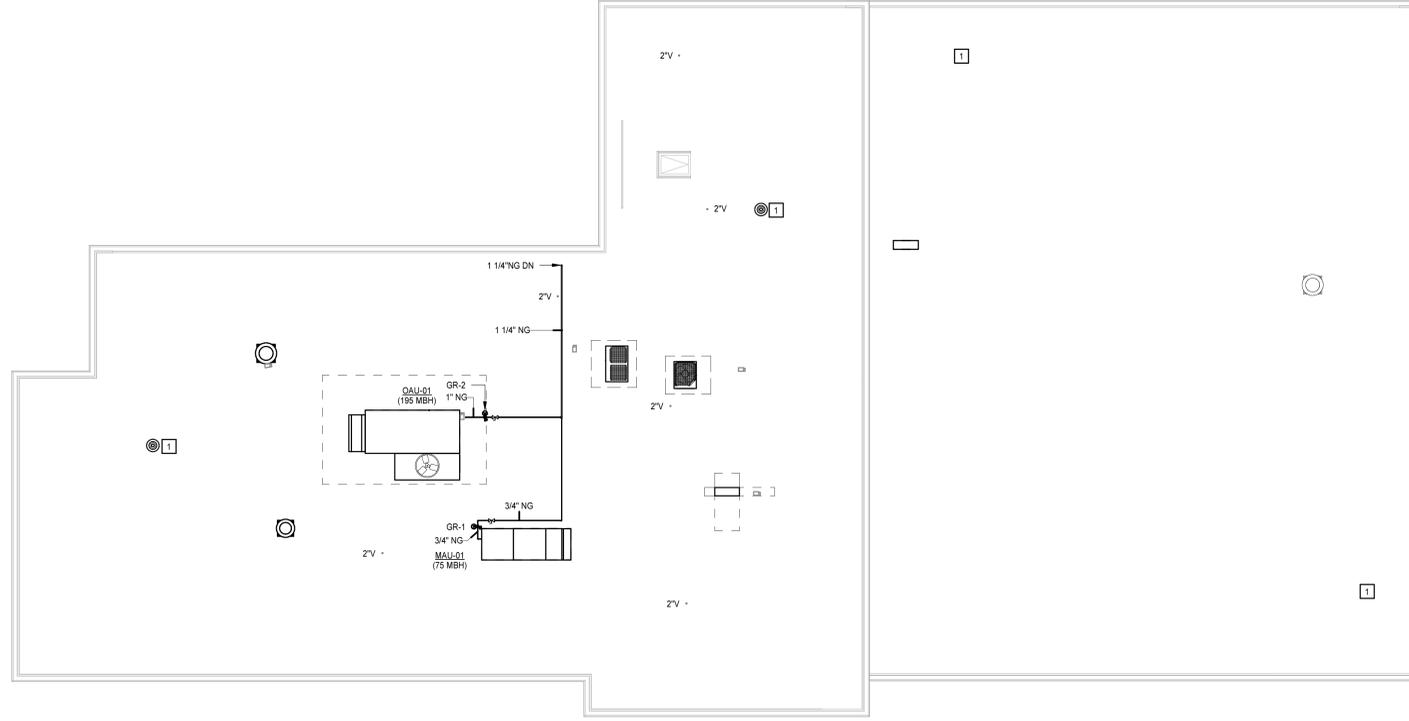
HARRISONBURG FIRE STATION #1

CITY OF HARRISONBURG, VIRGINIA
 80 MARYLAND AVE, HARRISONBURG, VIRGINIA 22801

PROJECT NO.	DATE
550358	MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

FIRST AND
 SECOND FLOOR
 DOMESTIC - PLAN

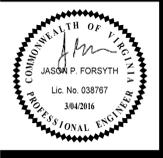
 **ROOF - RESCUE SQUAD(1)**
1/8" = 1'-0"

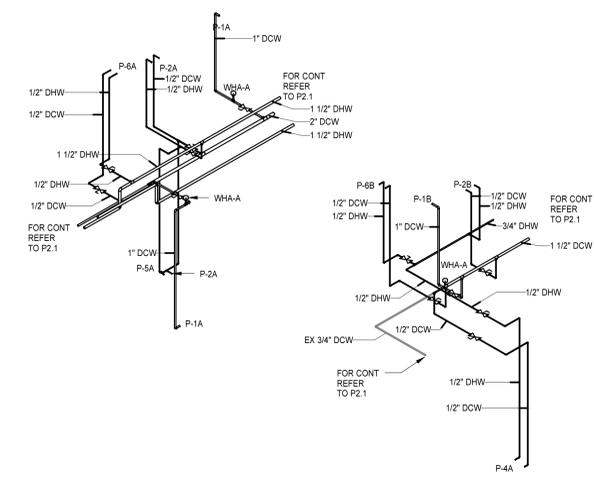


KEYNOTES	
APPLIES TO DRAWINGS P2.3	
REPRESENTED BY 	
1. REMOVE EXISTING ROOF DRAIN AND ASSOCIATED PIPING FROM DRAIN TO OUTLET.	

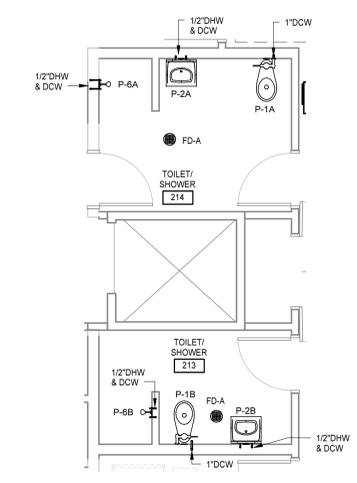
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HARRISONBURG FIRE STATION #1
 CITY OF HARRISONBURG, VIRGINIA
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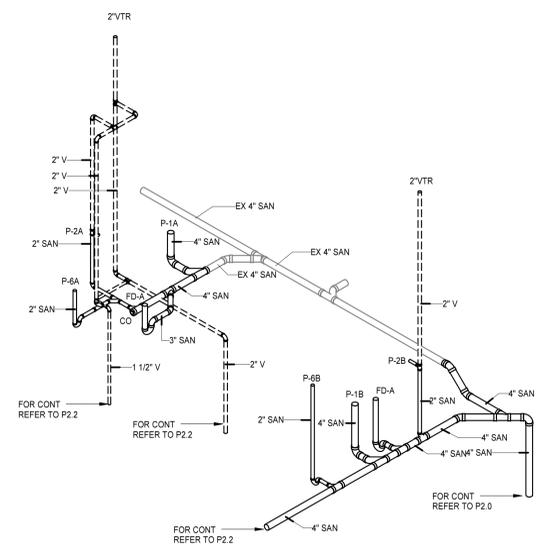




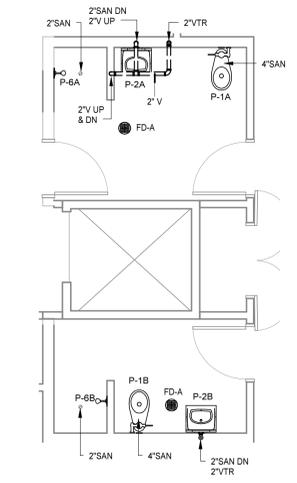
3 SECOND FLOOR PLAN - DOMESTIC - RISER DIAGRAM



1 SECOND FLOOR PLAN - DOMESTIC - ENLARGED PLAN
 1/4\"/>



4 SECOND FLOOR PLAN - SANITARY - RISER DIAGRAM
 NO SCALE



2 SECOND FLOOR PLAN - SANITARY - ENLARGED PLAN
 NO SCALE

PROJECT NO.	DATE
550358	MARCH 4, 2016
DATE	REVISIONS DESCRIPTION

NOTE: 1.00 PSI PIPE SIZING BASED ON A 5.00' W.C. (0.18 PSI) DROP AND A LONGEST RUN HAVING AN ESTIMATED EQUIVALENT LENGTH OF 300'. 7.00'-11.00' W.C. PIPE SIZING BASED ON A 0.30' W.C. DROP REFER TO EACH REGULATOR OR LOCATION ON THIS DIAGRAM FOR INFORMATION REGARDING FURTHEST EQUIVALENT LENGTHS FOR 7.00'-11.00' W.C. PIPING.

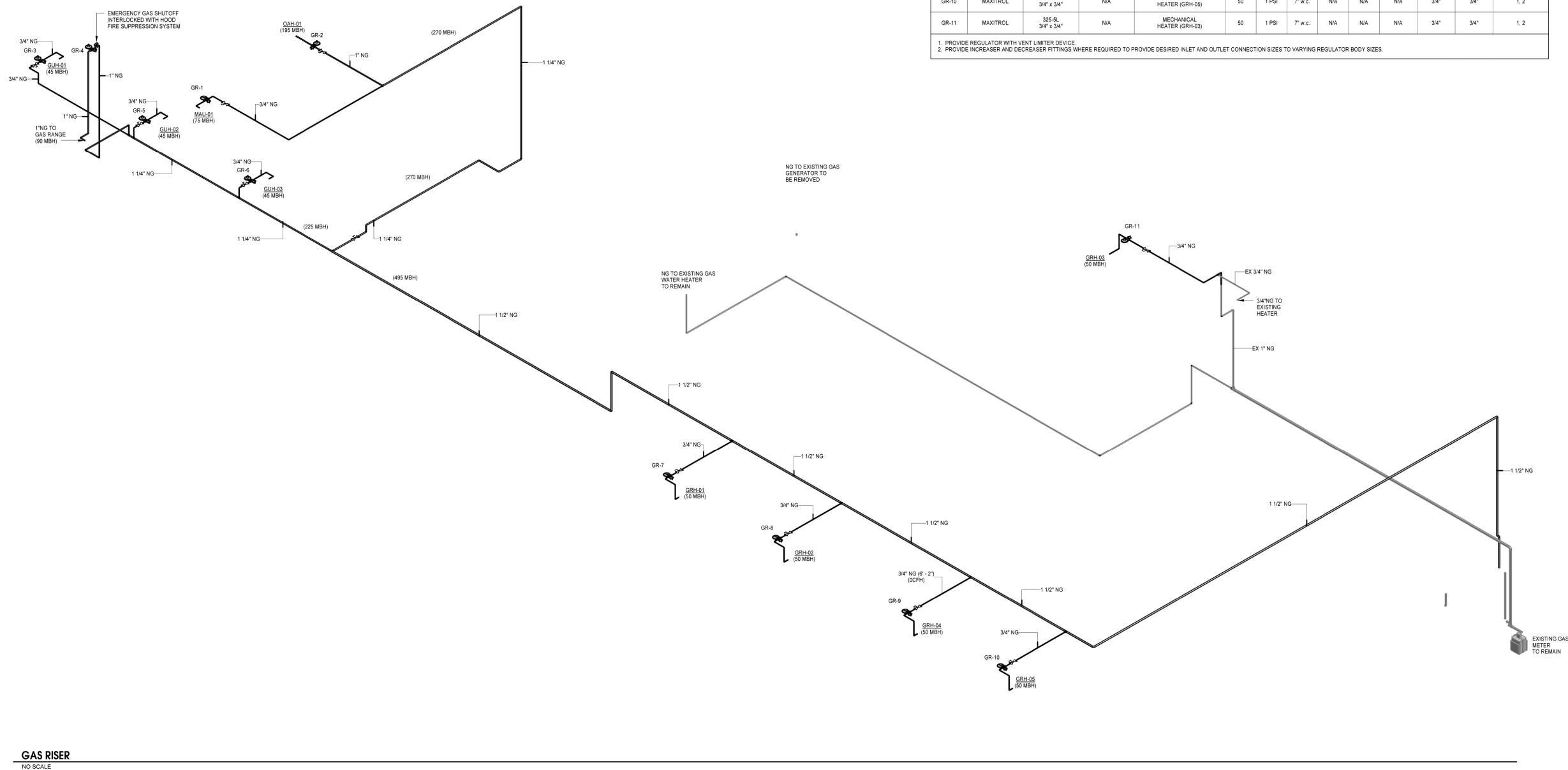
NATURAL GAS REGULATOR INFORMATION: PROVIDE SERVICE AND LINE REGULATORS SIMILAR TO THOSE INDICATED. REFER TO AND COORDINATE WITH EQUIPMENT AND REGULATOR MANUFACTURER'S RECOMMENDATIONS AND LOCAL UTILITY SERVICE PROVIDER FOR FINAL SELECTIONS. ALL REGULATOR VENTS SHALL TERMINATE A MINIMUM OF 10' AWAY FROM ALL OUTSIDE AND FRESH AIR INTAKES.

BELOW GRADE ISLAND GAS ROUTING: GAS PIPING INSTALLED BELOW GRADE AND BELOW BUILDING SLAB SHALL BE FULLY SLEEVED AND ENCASED AIR TIGHT WITH OUTER SHELL VENTED TO ATMOSPHERE TO AVOID GAS LEAK ACCUMULATION BELOW THE BUILDING SLAB. GAS PIPING SHALL DROP IN THE NEAREST AVAILABLE WALL AND EXTEND BELOW GRADE TO THE ISLAND COOKING LINE. ISOLATION VALVES SHALL BE PROVIDED AT BASE EACH GRADE SLAB PENETRATION POINT.

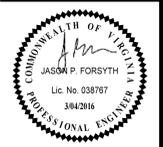
CONNECTED GAS LOAD SCHEDULE			
TAG	DESCRIPTION	LOCATION	INPUT (BTUH)
EX-GWH-1	DOMESTIC WATER HEATER - CONDENSING	MECHANICAL	200,000
OAU-01	OUTDOOR AIR UNIT	ROOF	195,000
MAU-01	MAKE UP AIR UNIT	ROOF	75,000
GUH-01	GAS UNIT HEATER	NORTH APPARATUR BAY	45,000
GUH-02	GAS UNIT HEATER	NORTH APPARATUR BAY	45,000
GUH-03	GAS UNIT HEATER	NORTH APPARATUR BAY	45,000
GRH-01	MECHANICAL INFRARED HEATER	SOUTH APPARATUR BAY	50,000
GRH-02	MECHANICAL INFRARED HEATER	SOUTH APPARATUR BAY	50,000
GRH-03	MECHANICAL INFRARED HEATER	SOUTH APPARATUR BAY	50,000
GRH-04	MECHANICAL INFRARED HEATER	SOUTH APPARATUR BAY	50,000
GRH-05	MECHANICAL INFRARED HEATER	SOUTH APPARATUR BAY	50,000
RANGE	RANGE	KITCHEN	90,000
TOTAL CONNECTED LOAD			945,000

GAS REGULATOR SCHEDULE													
TAG	BASIS OF DESIGN			LOAD	PRESSURE		ORFICE ANGLE	ORFICE	CONNECTION SIZE			NOTES	
	MANUFACTURER	MODEL	SPRING		MBH	INLET			OUTLET	VENT (IN)	INLET (IN)		OUTLET (IN)
GR-1	SENSUS	143-80-2 3/4" x 3/4"	GREEN 143-62-021-17	MECHANICAL MAKE-UP AIR UNIT (MAU-01)	75	1 PSI	7" w.c.	3/8"	N/A	1"	3/4"	3/4"	2
GR-2	SENSUS	143-80-2 3/4" x 3/4"	GREEN 143-62-021-17	MECHANICAL OUTSIDE AIR UNIT (OAU-01)	195	1 PSI	7" w.c.	N/A	N/A	N/A	1"	1"	2
GR-3	MAXITROL	325-5L 3/4" x 3/4"	N/A	MECHANICAL HEATER (GUH-01)	45	1 PSI	7" w.c.	N/A	N/A	N/A	3/4"	3/4"	1, 2
GR-4	MAXITROL	325-5L 1" x 1"	N/A	KITCHEN RANGE	90	1 PSI	7" w.c.	N/A	N/A	N/A	1"	1"	1, 2
GR-5	MAXITROL	325-5L 3/4" x 3/4"	N/A	MECHANICAL HEATER (GUH-02)	45	1 PSI	7" w.c.	N/A	N/A	N/A	3/4"	3/4"	1, 2
GR-6	MAXITROL	325-5L 3/4" x 3/4"	N/A	MECHANICAL HEATER (GUH-03)	45	1 PSI	7" w.c.	N/A	N/A	N/A	3/4"	3/4"	1, 2
GR-7	MAXITROL	325-5L 3/4" x 3/4"	N/A	MECHANICAL HEATER (GRH-01)	50	1 PSI	7" w.c.	N/A	N/A	N/A	3/4"	3/4"	1, 2
GR-8	MAXITROL	325-5L 3/4" x 3/4"	N/A	MECHANICAL HEATER (GRH-02)	50	1 PSI	7" w.c.	N/A	N/A	N/A	3/4"	3/4"	1, 2
GR-9	MAXITROL	325-5L 3/4" x 3/4"	N/A	MECHANICAL HEATER (GRH-03)	50	1 PSI	7" w.c.	N/A	N/A	N/A	3/4"	3/4"	1, 2
GR-10	MAXITROL	325-5L 3/4" x 3/4"	N/A	MECHANICAL HEATER (GRH-04)	50	1 PSI	7" w.c.	N/A	N/A	N/A	3/4"	3/4"	1, 2
GR-11	MAXITROL	325-5L 3/4" x 3/4"	N/A	MECHANICAL HEATER (GRH-05)	50	1 PSI	7" w.c.	N/A	N/A	N/A	3/4"	3/4"	1, 2

1. PROVIDE REGULATOR WITH VENT LIMITER DEVICE.
2. PROVIDE INCREASER AND DECREASER FITTINGS WHERE REQUIRED TO PROVIDE DESIRED INLET AND OUTLET CONNECTION SIZES TO VARYING REGULATOR BODY SIZES.

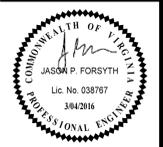


GAS RISER
NO SCALE



PROJECT NO:	DATE:
550358	MARCH 4, 2016
REVISIONS	DESCRIPTION

GAS RISER



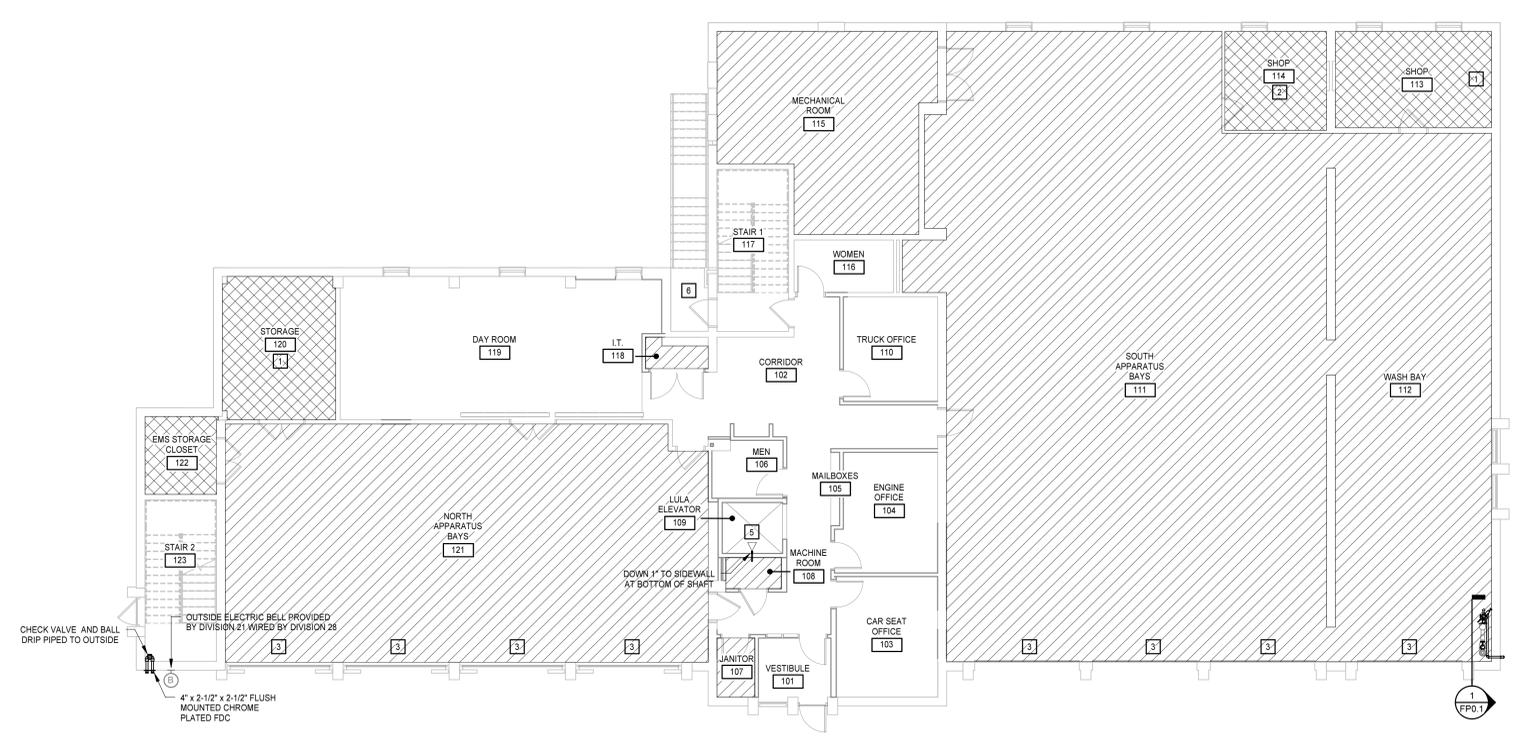
PROJECT NO.	DATE
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GRAPHICS SYMBOLS LEGEND

	VALVE		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON LIGHT HAZARD CLASSIFICATION PROVIDING A DENSITY OF 0.10 GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.
	GATE VALVE		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON ORDINARY HAZARD GROUP 1 CLASSIFICATION PROVIDING A DENSITY OF 0.15 GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.
	VALVE IN RISER		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON ORDINARY HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.20 GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.
	CHECK VALVE		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 1 ANTI-FREEZE PROTECTION, BRANCHING FROM THE LINE THAT SERVES THE AREA. REFER TO ANTI-FREEZE DETAIL.
	SOLENOID VALVE		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	FLOW SWITCH		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	PRESSURE REDUCING VALVE		INDICATES AREAS OF THE BUILDING THAT WILL REQUIRE ORDINARY HAZARD GROUP 1 ANTI-FREEZE PROTECTION, BRANCHING FROM THE LINE THAT SERVES THE AREA. REFER TO ANTI-FREEZE DETAIL.
	DOUBLE CHECK BACKFLOW PREVENTER		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 1 CLASSIFICATION PROVIDING A DENSITY OF 0.30 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	FIRE PROTECTION DRY SPRINKLER PIPING		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.30 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	FIRE EXTINGUISHING GAS PIPING		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 1 CLASSIFICATION PROVIDING A DENSITY OF 0.30 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	FIRE PROTECTION DRY SPRINKLER PIPING		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.30 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	FIRE EXTINGUISHING GAS PIPING		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 1 CLASSIFICATION PROVIDING A DENSITY OF 0.30 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	UNION		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	PRESSURE GAUGE WITH GAUGE COCK		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	PIPE TURNED DOWN		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	PIPE TURNED UP		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	PIPE TEE UP		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	PIPE TEE DOWN		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	PIPE CAP		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	PITCH PIPE DOWN IN DIRECTION OF ARROW AT INDICATED SLOPE		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	FLOW IN DIRECTION OF ARROW		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	CONCENTRIC PIPE REDUCTION		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	ECCENTRIC PIPE REDUCTION		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	PUMP		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	FIRE DEPARTMENT CONNECTION		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	PENDANT SPRINKLER HEAD		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	CONCEALED PENDANT SPRINKLER HEAD		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	EXTENDED COVERAGE PENDANT SPRINKLER HEAD		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	CONCEALED EXTENDED COVERAGE PENDANT SPRINKLER HEAD		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	PENDANT SPRINKLER HEAD WITH GUARD		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	UPRIGHT SPRINKLER HEAD		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	EXTENDED COVERAGE UPRIGHT SPRINKLER HEAD		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	UPRIGHT SPRINKLER HEAD WITH GUARD		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	SIDEWALL SPRINKLER HEAD		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	EXTENDED COVERAGE SPRINKLER HEAD		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	CONCEALED EXTENDED COVERAGE SIDEWALL SPRINKLER HEAD		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	EXTINGUISHING AGENT DISCHARGE NOZZLE		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	COMBINATION AUDIBLE AND STROBE ALARM		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	MANUAL PULL STATION		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	ABORT SWITCH		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	IONIZATION SMOKE DETECTOR		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	PHOTOELECTRIC SMOKE DETECTOR		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.

ABBREVIATIONS

@	AT	AT	AT
ABV	ABOVE	ABOVE	ABOVE
AFB	ABOVE FINISHED FLOOR	ABOVE FINISHED FLOOR	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE	ABOVE FINISHED GRADE	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT	AIR HANDLING UNIT	AIR HANDLING UNIT
BLDG	BUILDING	BUILDING	BUILDING
CL	CENTERLINE	CENTERLINE	CENTERLINE
CLG	CEILING	CEILING	CEILING
COL	COLUMN	COLUMN	COLUMN
CONC	CONCRETE	CONCRETE	CONCRETE
CONT	CONTINUATION	CONTINUATION	CONTINUATION
CORR	CORRIDOR	CORRIDOR	CORRIDOR
CR	CLASSROOM	CLASSROOM	CLASSROOM
CU	CUBIC	CUBIC	CUBIC
CU FT	CUBIC FEET	CUBIC FEET	CUBIC FEET
DCW	DOMESTIC COLD WATER	DOMESTIC COLD WATER	DOMESTIC COLD WATER
DEG	DEGREE(S)	DEGREE(S)	DEGREE(S)
DEMO	DEMOLISH OR DEMOLITION	DEMOLISH OR DEMOLITION	DEMOLISH OR DEMOLITION
DIA	DIAMETER	DIAMETER	DIAMETER
DIP	DUCTILE IRON PIPE	DUCTILE IRON PIPE	DUCTILE IRON PIPE
DN	DOWN	DOWN	DOWN
DP	DRY PIPE	DRY PIPE	DRY PIPE
DS	DOWNSPOUT	DOWNSPOUT	DOWNSPOUT
DTL	DETAIL	DETAIL	DETAIL
DWG	DRAWING	DRAWING	DRAWING
E	EAST	EAST	EAST
ECGH	ELECTRIC CEILING HEATER	ELECTRIC CEILING HEATER	ELECTRIC CEILING HEATER
EF	EXHAUST FAN	EXHAUST FAN	EXHAUST FAN
EH-1	EXTRA HAZARD GROUP 1	EXTRA HAZARD GROUP 1	EXTRA HAZARD GROUP 1
EH-2	EXTRA HAZARD GROUP 2	EXTRA HAZARD GROUP 2	EXTRA HAZARD GROUP 2
ELEC	ELECTRICAL	ELECTRICAL	ELECTRICAL
EQ	EQUAL	EQUAL	EQUAL
EQUIP	EQUIPMENT	EQUIPMENT	EQUIPMENT
ET	EXPANSION TANK	EXPANSION TANK	EXPANSION TANK
ETR	EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN
EWH	ELECTRIC WATER HEATER	ELECTRIC WATER HEATER	ELECTRIC WATER HEATER
EX	EXISTING	EXISTING	EXISTING
EXP	EXPANSION	EXPANSION	EXPANSION
F	FARENHEIT	FARENHEIT	FARENHEIT
FD	FIRE DAMPER	FIRE DAMPER	FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION	FIRE DEPARTMENT CONNECTION	FIRE DEPARTMENT CONNECTION
FG	FINISHED GRADE	FINISHED GRADE	FINISHED GRADE
FH	FIRE HYDRANT	FIRE HYDRANT	FIRE HYDRANT
FHC	FIRE HOSE CABINET	FIRE HOSE CABINET	FIRE HOSE CABINET
FHS	FIRE HOSE STATION	FIRE HOSE STATION	FIRE HOSE STATION
FHVC	FIRE HOSE VALVE CABINET	FIRE HOSE VALVE CABINET	FIRE HOSE VALVE CABINET
FLR	FLOOR	FLOOR	FLOOR
FP	FIRE PROTECTION	FIRE PROTECTION	FIRE PROTECTION
FT	FOOT OR FEET	FOOT OR FEET	FOOT OR FEET
FVC	FIRE VALVE CABINET	FIRE VALVE CABINET	FIRE VALVE CABINET
GAL	GALLON(S)	GALLON(S)	GALLON(S)
GH	GALLONS PER MINUTE	GALLONS PER MINUTE	GALLONS PER MINUTE
GUH	GAS-FIRED UNIT HEATER	GAS-FIRED UNIT HEATER	GAS-FIRED UNIT HEATER
HB	HOSE BIB	HOSE BIB	HOSE BIB
HD	HEAD	HEAD	HEAD
HORIZ	HORIZONTAL	HORIZONTAL	HORIZONTAL
HP	HORSEPOWER	HORSEPOWER	HORSEPOWER
HW	HOT WATER	HOT WATER	HOT WATER
ID	INSIDE DIAMETER	INSIDE DIAMETER	INSIDE DIAMETER
IN	INCH	INCH	INCH
INSUL	INSULATE OR INSULATION	INSULATE OR INSULATION	INSULATE OR INSULATION
JAN	JANITOR	JANITOR	JANITOR
KIT	KITCHEN	KITCHEN	KITCHEN
KW	KILOWATT(S)	KILOWATT(S)	KILOWATT(S)
LAB	LABORATORY	LABORATORY	LABORATORY
LAV	LAVATORY	LAVATORY	LAVATORY
LBS	POUNDS	POUNDS	POUNDS
LF	LINEAR FOOT (FEET)	LINEAR FOOT (FEET)	LINEAR FOOT (FEET)
LH	LIGHT HAZARD	LIGHT HAZARD	LIGHT HAZARD
MATL	MATERIAL	MATERIAL	MATERIAL
MAX	MAXIMUM	MAXIMUM	MAXIMUM
MECH	MECHANICAL	MECHANICAL	MECHANICAL
MFR	MANUFACTURER	MANUFACTURER	MANUFACTURER
MH	MANHOLE	MANHOLE	MANHOLE
MIN	MINIMUM	MINIMUM	MINIMUM
MISC	MISCELLANEOUS	MISCELLANEOUS	MISCELLANEOUS
MTD	MOUNTED	MOUNTED	MOUNTED
N	NORTH	NORTH	NORTH
NA	NOT APPLICABLE(AVAILABLE)	NOT APPLICABLE(AVAILABLE)	NOT APPLICABLE(AVAILABLE)
NC	NORMALLY CLOSED	NORMALLY CLOSED	NORMALLY CLOSED
NIC	NOT IN CONTRACT	NOT IN CONTRACT	NOT IN CONTRACT
NO	NORMALLY OPEN	NORMALLY OPEN	NORMALLY OPEN
NO OR #	NUMBER	NUMBER	NUMBER
OC	ON CENTER	ON CENTER	ON CENTER
OD	OUTSIDE DIAMETER	OUTSIDE DIAMETER	OUTSIDE DIAMETER
OFF	OFFICE	OFFICE	OFFICE
OH-1	ORDINARY HAZARD GROUP 1	ORDINARY HAZARD GROUP 1	ORDINARY HAZARD GROUP 1
OH-2	ORDINARY HAZARD GROUP 2	ORDINARY HAZARD GROUP 2	ORDINARY HAZARD GROUP 2
P	PUMP	PUMP	PUMP
PC	PRECAST	PRECAST	PRECAST
PV	POST INDICATOR VALVE	POST INDICATOR VALVE	POST INDICATOR VALVE
PSI	POUNDS PER SQUARE INCH	POUNDS PER SQUARE INCH	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE	POUNDS PER SQUARE INCH GAUGE	POUNDS PER SQUARE INCH GAUGE
POLY	POLYETHYLENE	POLYETHYLENE	POLYETHYLENE
PREFAB	PREFABRICATED(D)	PREFABRICATED(D)	PREFABRICATED(D)
PROJ	PROJECT	PROJECT	PROJECT
PSF	POUNDS PER SQUARE FOOT	POUNDS PER SQUARE FOOT	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH	POUNDS PER SQUARE INCH	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE	POUNDS PER SQUARE INCH GAUGE	POUNDS PER SQUARE INCH GAUGE
PVC	POLYVINYL CHLORIDE	POLYVINYL CHLORIDE	POLYVINYL CHLORIDE
R	RISER	RISER	RISER
REF	REFERENCE	REFERENCE	REFERENCE
REQ	REQUIRED	REQUIRED	REQUIRED
RM	ROOM	ROOM	ROOM
RPM	REVOLUTIONS PER MINUTE	REVOLUTIONS PER MINUTE	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT	ROOF TOP UNIT	ROOF TOP UNIT
S	SOUTH	SOUTH	SOUTH
SAN	SANITARY	SANITARY	SANITARY
SCH	SCHEDULE	SCHEDULE	SCHEDULE
SD	SMOKE DAMPER	SMOKE DAMPER	SMOKE DAMPER
SHT	SHEET	SHEET	SHEET
SIM	SIMILAR	SIMILAR	SIMILAR
SP	STATIC PRESSURE	STATIC PRESSURE	STATIC PRESSURE
SPEC	SPECIFICATION	SPECIFICATION	SPECIFICATION
SPR	SPRINKLER	SPRINKLER	SPRINKLER
SQ	SQUARE	SQUARE	SQUARE
STD	STANDARD	STANDARD	STANDARD
STL	STEEL	STEEL	STEEL
STOR	STORAGE	STORAGE	STORAGE
SW	SWITCH	SWITCH	SWITCH
T	TEMPERATURE	TEMPERATURE	TEMPERATURE
THK	THICKNESS	THICKNESS	THICKNESS
TLT	TOILET	TOILET	TOILET
TOSL	TOP OF SLAB	TOP OF SLAB	TOP OF SLAB
TYP	TYPICAL	TYPICAL	TYPICAL
UG	UNDERGROUND	UNDERGROUND	UNDERGROUND
UH	UNIT HEATER	UNIT HEATER	UNIT HEATER
UI	UNLESS UNDICATED	UNLESS UNDICATED	UNLESS UNDICATED
UNO	UNLESS NOTED (INDICATED) OTHERWISE	UNLESS NOTED (INDICATED) OTHERWISE	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTS	VOLTS	VOLTS
VERT	VERTICAL	VERTICAL	VERTICAL
W	WEST	WEST	WEST
WI	WITH	WITH	WITH
W/O	WITHOUT	WITHOUT	WITHOUT
WH	WATER HEATER	WATER HEATER	WATER HEATER



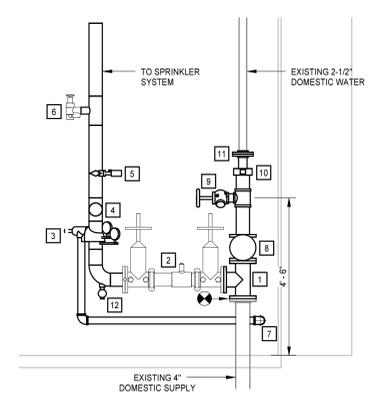
FIRST FLOOR PLAN - FIRE PROTECTION
 1/8" = 1'-0"

FLOOR PLANS KEYNOTES
 APPLIES TO DRAWINGS FP0.1
 REPRESENTED BY [a]

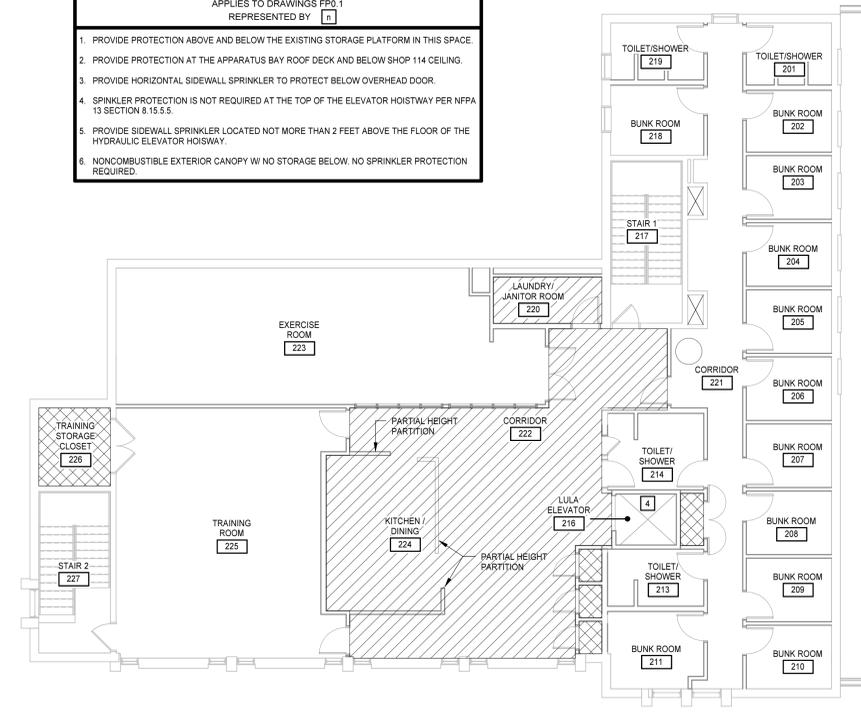
1. PROVIDE PROTECTION ABOVE AND BELOW THE EXISTING STORAGE PLATFORM IN THIS SPACE.
2. PROVIDE PROTECTION AT THE APPARATUS BAY ROOF DECK AND BELOW SHOP 114 CEILING.
3. PROVIDE HORIZONTAL SIDEWALL SPRINKLER TO PROTECT BELOW OVERHEAD DOOR.
4. SPINKLER PROTECTION IS NOT REQUIRED AT THE TOP OF THE ELEVATOR HOISTWAY PER NFPA 13 SECTION 8.15.5.5.
5. PROVIDE SIDEWALL SPRINKLER LOCATED NOT MORE THAN 2 FEET ABOVE THE FLOOR OF THE HYDRAULIC ELEVATOR HOISWAY.
6. NONCOMBUSTIBLE EXTERIOR CANOPY W/ NO STORAGE BELOW. NO SPRINKLER PROTECTION REQUIRED.

RISER DETAIL KEYNOTES
 APPLIES TO DETAIL 1 THIS DRAWING
 REPRESENTED BY [1]

1. 4" FLANGED TEE (BY DIVISION 21)
2. 4" DOUBLE CHECK VALVE ASSEMBLY WITH TAMPER SWITCHES
3. RISER CHECK VALVE WITH TRIM
4. CAPPED GROOVED TEE FOR BACKFLOW PREVENTER TESTING
5. FLOW SWITCH
6. INSPECTORS TEST/DRAIN COMBINATION - CONNECT TO MAIN DRAIN AND PIPE TO OUTSIDE.
7. PIPE 2" MAIN DRAIN TO OUTSIDE - PROVIDE GALVANIZED PIPE THROUGH WALL AND GALVANIZED 45 DEGREE ELBOW AND DISCHARGE ONTO SPLASH BLOCK.
8. 4" GATE VALVE (BY DIVISION 22)
9. 2-1/2" ANGLE HOSE VALVE WITH NATIONAL STANDARD THREADS PROVIDED BY DIVISION 21 INSTALLED BY DIVISION 22.
10. 4" x 2-1/2" REDUCER OR REDUCING COUPLING (BY OTHERS)
11. 2-1/2" FLANGED DIELECTRIC FITTING (BY OTHERS)
12. DRAIN ELBOW AND 1" GLOBE VALVE - AUX DRAIN



1 RISER DETAIL
 1/2" = 1'-0"



SECOND FLOOR PLAN - FIRE PROTECTION
 1/8" = 1'-0"

GENERAL NOTES

1. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE

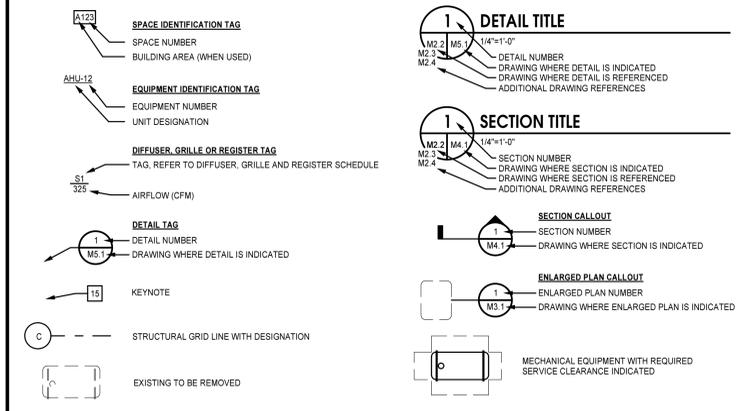
EQUIPMENT IDENTIFICATION

AHU	AIR-HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
BCU	BLOWER COIL UNIT
CCC	CLOSED-CIRCUIT COOLING TOWER
CH	CHILLER
CHWP	CHILLED WATER PUMP
CRAC	COMPUTER ROOM AIR CONDITIONER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CWP	CONDENSER WATER PUMP
ECH	ELECTRIC CEILING HEATER
ERU	ENERGY RECOVERY UNIT
ERV	ENERGY RECOVERY VENTILATOR
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EWB	ELECTRIC WALL HEATER
FCU	FAN COIL UNIT
HP	HEAT PUMP
HWP	HOT WATER PUMP
HX	HEAT EXCHANGER
MAU	MAKEUP AIR UNIT
OAU	OUTDOOR AIR UNIT
P	PUMP
PTAC	PACKAGED TERMINAL AIR CONDITIONER
PTHP	PACKAGED TERMINAL HEAT PUMP
RTU	ROOFTOP UNIT
SSI	SPLIT-SYSTEM INDOOR UNIT
SSO	SPLIT-SYSTEM OUTDOOR UNIT
TU	TERMINAL UNIT
UH	UNIT HEATER
WSHP	WATER-SOURCE HEAT PUMP

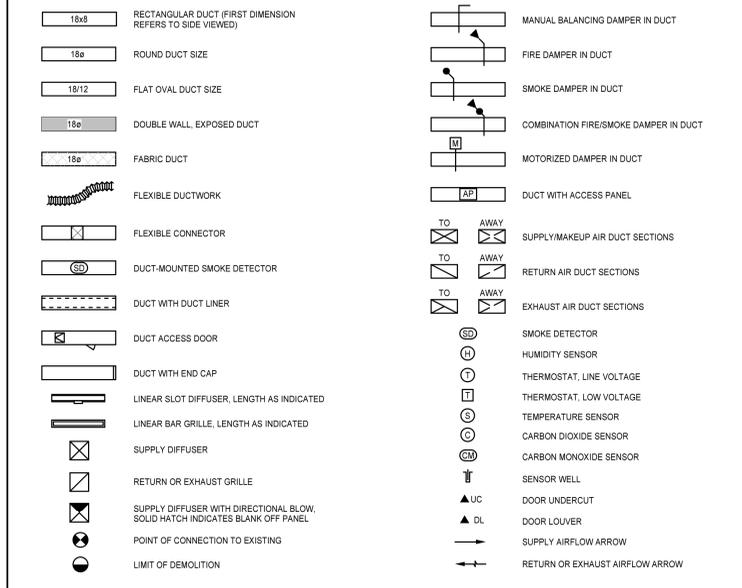
GENERAL ABBREVIATIONS

A	AMPERE(S)
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APD	AIR PRESSURE DROP
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	COOLING
COM	COMMON
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DRAIN
DB	DRY BULB TEMPERATURE
dBa	A-WEIGHTED DECIBELS
DOW	DOMESTIC COLD WATER
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
F	DEGREES FAHRENHEIT
FC	FAIL CLOSED
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FO	FAIL OPEN
FPM	FEET PER MINUTE
FT	FOOT, FEET
GA	GAUGE
GAL	GALLON(S)
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HTG	HEATING
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
IN	INCH
IPLV	INTEGRATED PART-LOAD VALUE
KW	KILOWATT(S)
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	ONE THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MFR	MANUFACTURER
MIN	MINIMUM
MOD	MOTOR-OPERATED DAMPER
MOP	MAXIMUM OVERCURRENT PROTECTION
NC	NORMALLY CLOSED (FOR PLANS, DETAILS)
NC	NOISE CRITERIA (FOR SCHEDULES)
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OA	OUTSIDE AIR
OC	ON CENTER
PH	PHASE
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR
RD	REFRIGERANT DISCHARGE
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
TD	TRANSFER DUCT
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTAGE, VOLTS
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
W	WATT(S)
W	WITH
W/O	WITHOUT
WB	WET BULB TEMPERATURE
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
WWM	WELDED WIRE MESH

GRAPHICS SYMBOLS LEGEND



DUCTWORK LEGEND



GENERAL NOTES

- THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
- DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. DO NOT SCALE DRAWINGS. LOCATIONS OF ALL ITEMS INDICATED ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS, MANUFACTURER'S REQUIREMENTS FOR INSTALLATION, OPERATION AND MAINTENANCE, CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION, AND CONTRACTOR'S FABRICATED ITEMS TO ENSURE A PROPER FIT AND INSTALLATION.
- MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECTS PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 7'-0" CLEARANCE ABOVE FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.
- INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
- COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.
- PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIRSTREAM. PROVIDE TRAP AT CONNECTION WITH WATER SEAL DEPTH ONE INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY THE ARCHITECT.
- INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED.
- ALL EQUIPMENT, VALVES, DAMPERS, DAMPER AND VALVE OPERATORS SHALL BE PROVIDED WITH ADEQUATE ACCESS FOR SERVICING, MAINTENANCE, AND REPLACEMENT.
- SIZE ALL SPLIT-SYSTEM REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- DUCT DIMENSIONS MAY BE MODIFIED ONLY WITH PRIOR APPROVAL FROM ARCHITECT. DUCT DIMENSIONS ARE IN INCHES AND INSIDE CLEAR.
- FOR LOCATION OF REGISTERS, GRILLES, AND DIFFUSERS WITHIN CEILING GRID, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.
- ELEVATION INDICATED FOR RECTANGULAR DUCT, GRILLE AND LOUVER OPENINGS IS TO THE TOP OF ROUGH OPENING UNLESS OTHERWISE INDICATED. ELEVATION INDICATED FOR ROUND DUCTWORK AND PIPING IS TO CENTERLINE.



PROJECT NO:	DATE:
550358	MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

 **ROOF DEMOLITION PLAN - MECHANICAL**
1/8" = 1'-0"



KEYNOTES	
APPLIES TO DRAWING M1.2	
REPRESENTED BY <input checked="" type="checkbox"/>	
1.	REMOVE EX CONDENSING UNIT AND ASSOCIATED PIPING AND EQUIPMENT SUPPORT.
2.	REMOVE EX EXHAUST AIR GOOSENECK.
3.	EX GAS-FIRED UNIT HEATER FLUE.
4.	REMOVE EX EXHAUST FAN.
5.	REMOVE EX ROOFTOP UNIT.

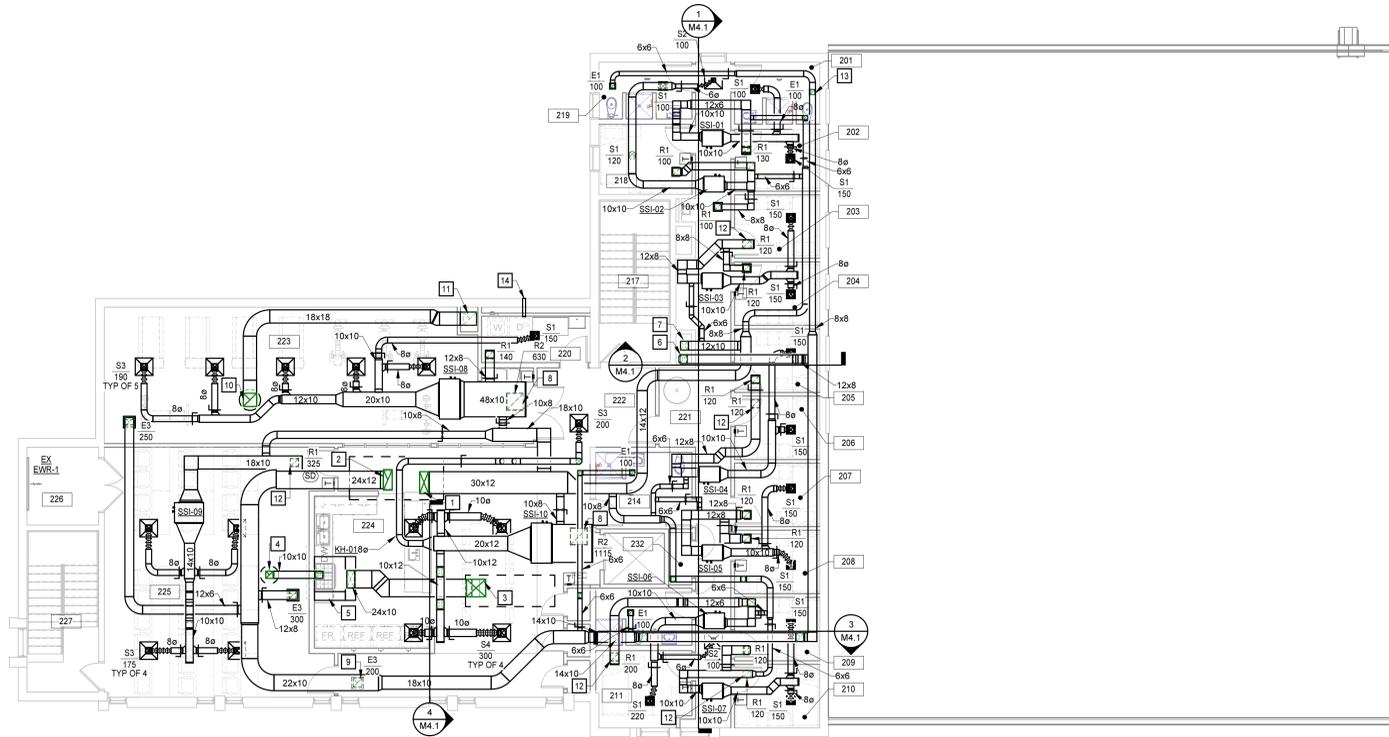
PROJECT NO: 550358	DATE: MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

**ROOF
DEMOLITION
PLAN -
MECHANICAL
M1.2**

HARRISONBURG FIRESTATION #1

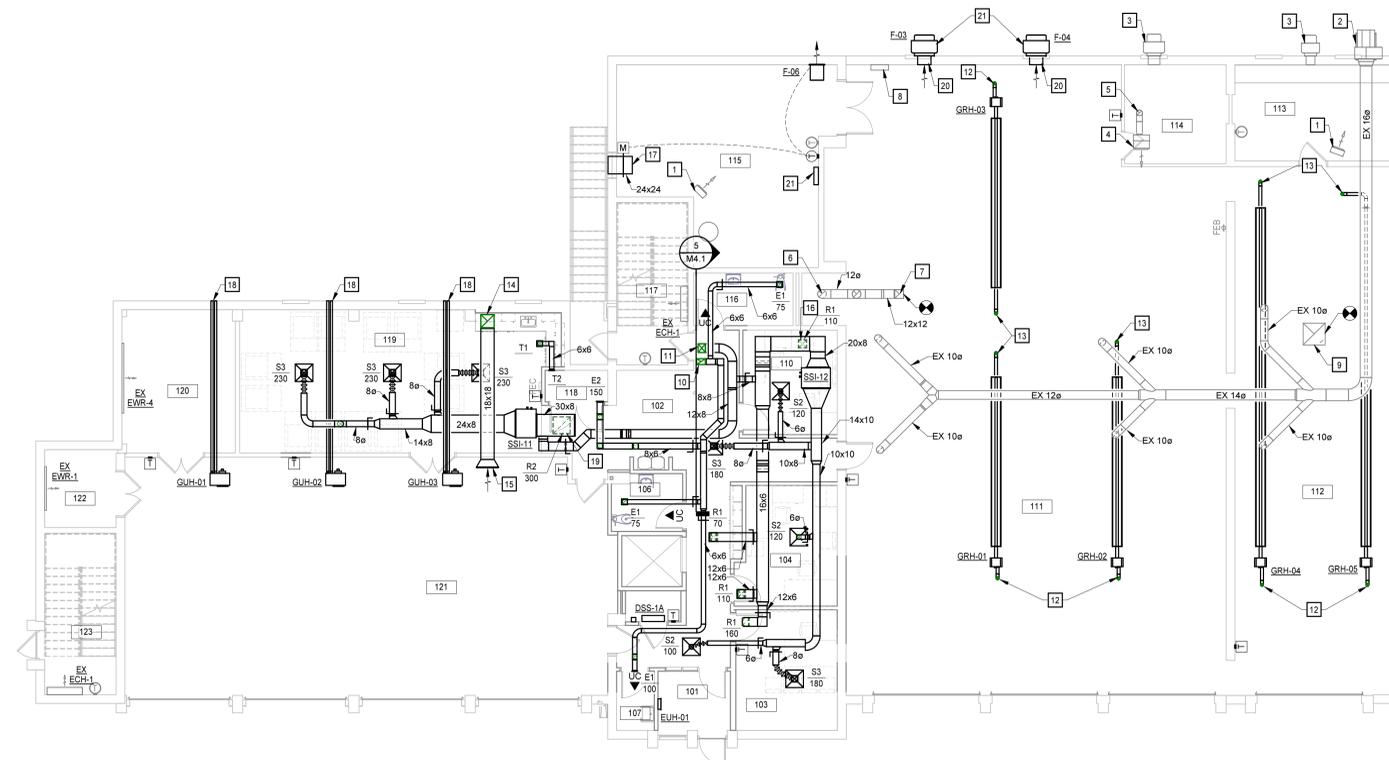
CITY OF HARRISONBURG, VIRGINIA
80 MARYLAND AVE, HARRISONBURG, VIRGINIA 22801





SECOND FLOOR PLAN - DUCTWORK
1/8" = 1'-0"

- KEYNOTES**
APPLIES TO M2.1.1 SECOND FLOOR PLAN - DUCTWORK
REPRESENTED BY [X]
- 30x12 UP TO QAU-01 ON ROOF.
 - 28x12 UP TO QAU-01 ON ROOF.
 - 24x26 UP TO MAU-01 ON ROOF.
 - 10x10 UP TO E-01 ON ROOF.
 - KITCHEN HOOD KH-01, KH-01 SHALL BE TYPE I ACCUREX MODEL XBEW, SINGLE WALL CANOPY HOOD OR APPROVED EQUAL. HOOD SHALL BE 48"x42"x24" WITH TOP OUTLET AND INTEGRAL SHORT CIRCUIT SUPPLY PLENUM WITH TOP OUTLET. PROVIDE ZERO CLEARANCE TOP, BACK, AND RIGHT. PROVIDE BACKSPASH 90" HEIGHT x 48" LONG. PROVIDE FIRE SUPPRESSION SYSTEM FOR HOOD WITH CONTROLS AND CHEMICAL TANK LOCATED IN UTILITY CABINET LOCATED ON LEFT SIDE OF HOOD. PROVIDE WITH UL LISTED LIGHT FIXTURES AND UL LISTED STAINLESS STEEL FILTERS OR APPROVED EQUAL. PROVIDE WITH CONTROLS TO TURN ON EXHAUST FAN AND MAKE-UP AIR FAN UPON DETECTION OF HEAT AND SHUT OFF FANS UPON ACTIVATION OF FIRE SUPPRESSION SYSTEM. CONTROL CENTER SHALL BE PREWIRED WITH FAN STARTERS AND OVERLOAD PROTECTION FOR FANS AND LOCATED IN UTILITY CABINET.
 - 10x12 DOWN TO FIRST FLOOR.
 - 12x8 DOWN TO FIRST FLOOR.
 - 22x22 DOWN TO GRILLE WITH MANUAL BALANCING DAMPER IN VERTICAL.
 - 12x12 DOWN TO GRILLE WITH MANUAL BALANCING DAMPER IN VERTICAL.
 - 10x18 UP TO E-02 ON ROOF.
 - 18x18 DOWN TO FIRST FLOOR.
 - 10x10 DOWN TO GRILLE WITH MANUAL BALANCING DAMPER IN VERTICAL.
 - 8x8 DOWN TO GRILLE WITH MANUAL BALANCING DAMPER IN VERTICAL.
 - 4" DRYER VENT TERMINATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

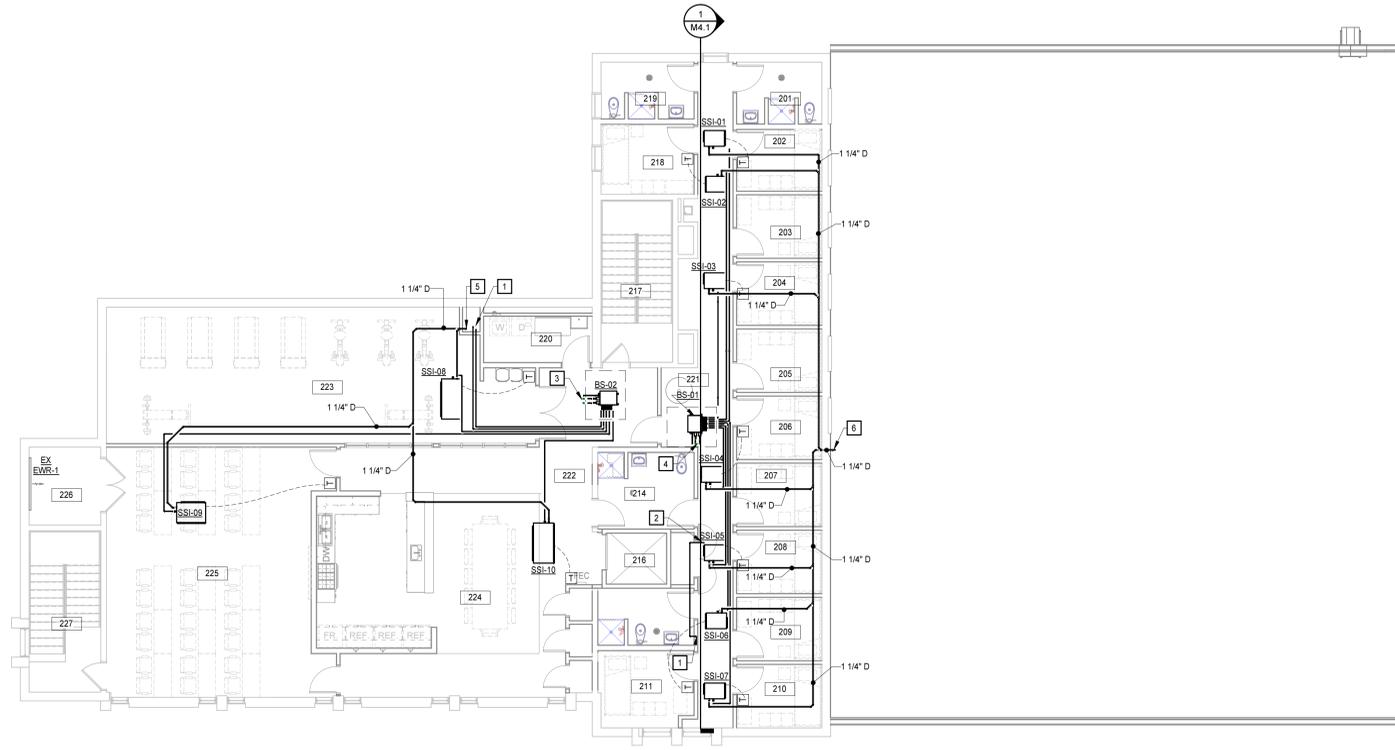


FIRST FLOOR PLAN - DUCTWORK
1/8" = 1'-0"

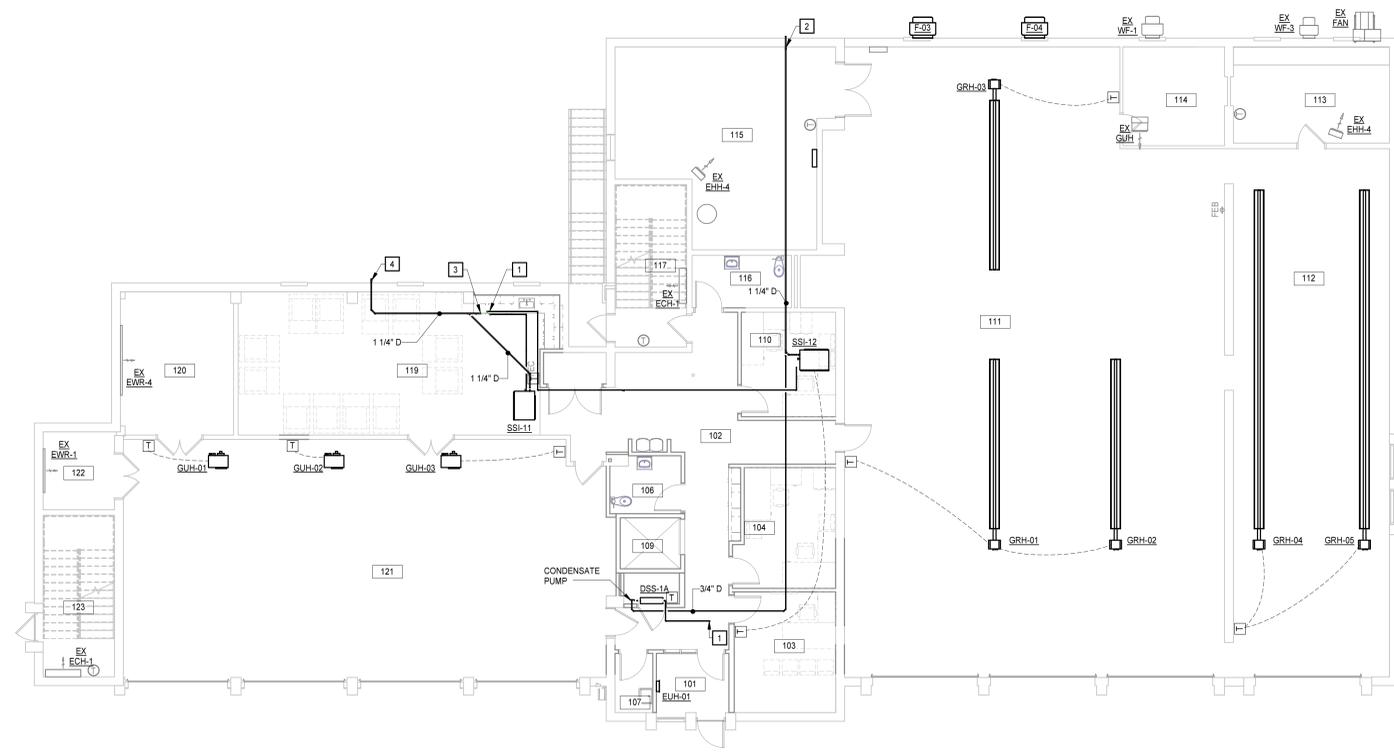
- KEYNOTES**
APPLIES TO M2.1.1 FIRST FLOOR PLAN - DUCTWORK
REPRESENTED BY [X]
- EX ELECTRIC UNIT HEATER.
 - EX UTILITY FAN FOR VEHICLE EXHAUST SYSTEM TO REMAIN.
 - EX SIDEWALL FAN.
 - EX GAS-FIRED UNIT HEATER TO REMAIN.
 - EX 6" UP TO FLUE ON ROOF.
 - EX 12" DOWN TO HOSE ORIER.
 - EX 12x12 UP TO GOOSENECK ON ROOF.
 - EX VEHICLE EXHAUST SYSTEM CONTROL PANEL.
 - EX 30x30 UP TO E-05 ON ROOF.
 - 10x12 UP TO SECOND FLOOR.
 - 12x8 UP TO SECOND FLOOR.
 - 4" COMBUSTION AIR INTAKE FROM INFRARED HEATER UP TO ROOF IN ACCORDANCE WITH INFRARED HEATER MANUFACTURER'S INSTRUCTIONS.
 - 4" EXHAUST FLUE FROM INFRARED HEATER UP TO ROOF IN ACCORDANCE WITH INFRARED HEATER MANUFACTURER'S INSTRUCTIONS.
 - 18x18 UP TO SECOND FLOOR.
 - 30x18 BELLMOUTH OPENING. COVER WITH 1/2" x 1/2" WELDED WIRE MESH.
 - 10x10 DOWN TO GRILLE WITH MANUAL BALANCING DAMPER IN VERTICAL.
 - 24x24 DUCT OPENING. COVER WITH 1/2" x 1/2" WELDED WIRE MESH.
 - SIDEWALL CONCENTRIC COMBUSTION AIR INTAKE AND VENT TERMINATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - 22x22 DOWN TO GRILLE WITH MANUAL BALANCING DAMPER IN VERTICAL.
 - COVER OPENING WITH 1/2" x 1/2" WELDED WIRE MESH.
 - COORDINATE EXACT LOCATION WITH EXISTING WALL PENETRATION.
 - CENTRAL VARIABLE REFRIGERANT VOLUME SYSTEM CONTROLLER.



PROJECT NO.	DATE
550358	MARCH 4, 2016
REVISIONS	DESCRIPTION



SECOND FLOOR PLAN - PIPING
1/8" = 1'-0"



FIRST FLOOR PLAN - PIPING
1/8" = 1'-0"

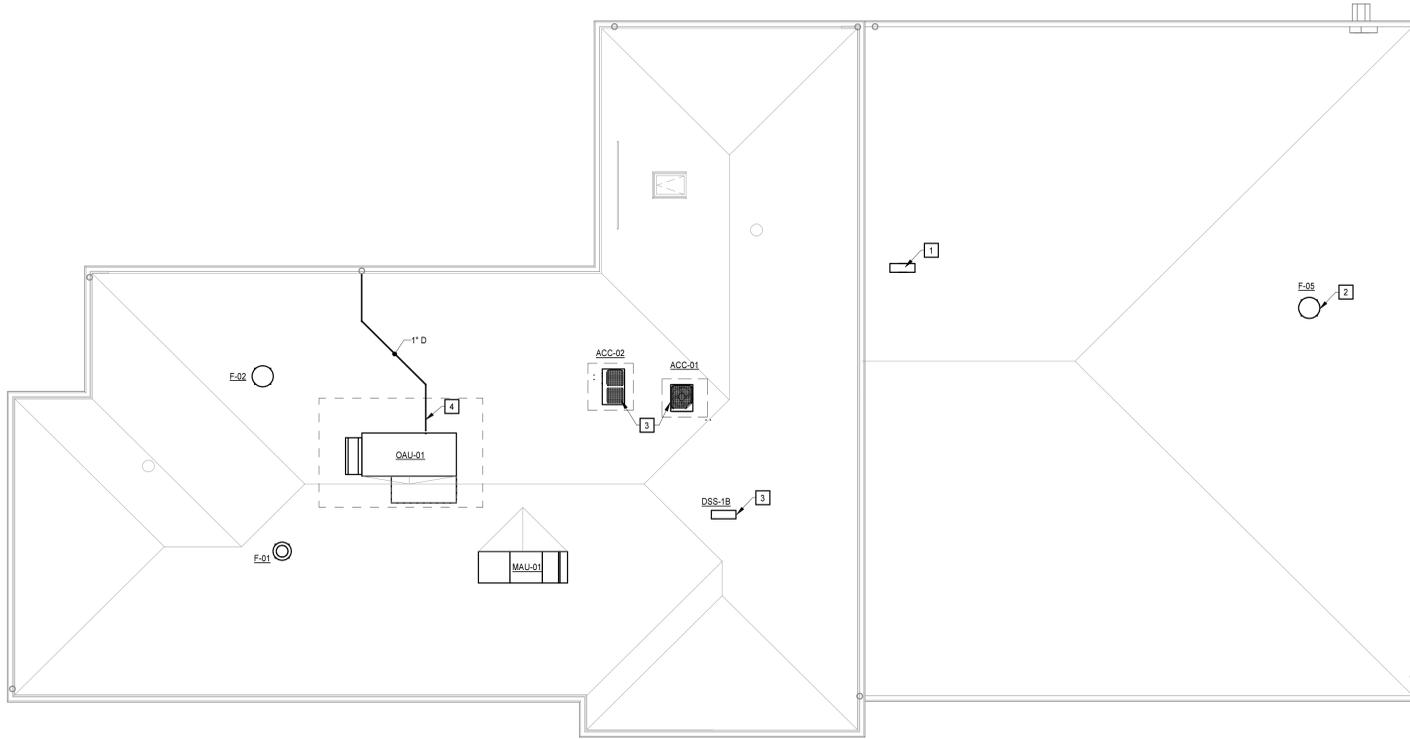
- GENERAL NOTES**
- A. SIZE AND ROUTE REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
-
- KEYNOTES**
- APPLIES TO M2.1.2 SECOND FLOOR PLAN - PIPING
REPRESENTED BY [X]
- REFRIGERANT LINE SETS DOWN TO FIRST FLOOR.
 - REFRIGERANT LINE SETS UP TO DSS-1B ON ROOF.
 - REFRIGERANT SUCTION AND LIQUID UP TO ACC-02 ON ROOF.
 - REFRIGERANT SUCTION AND LIQUID UP TO ACC-01 ON ROOF.
 - 1 1/4" D DOWN TO FIRST FLOOR.
 - 1 1/4" D DOWN TO 8" ABOVE ROOF.

- KEYNOTES**
- APPLIES TO M2.1.2 FIRST FLOOR PLAN - PIPING
REPRESENTED BY [X]
- REFRIGERANT LINE SETS UP TO SECOND FLOOR.
 - 1 1/4" D DOWN WALL IN MECHANICAL ROOM. DRAIN SHALL PENETRATE EXTERIOR WALL TO EMPTY OUT ON GRADE. PENETRATION SHALL BE AT SAME HEIGHT AS BOTTOM OF DOWNSPOUT.
 - 1 1/4" D UP TO SECOND FLOOR.



PROJECT NO: 550358	DATE: MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

N
ROOF PLAN - MECHANICAL
1/8" = 1'-0"



KEYNOTES
 APPLIES TO DRAWING M2.2
 REPRESENTED BY [Symbol]

1. 12x12 EXHAUST AIR GOOSENECK. REFER TO EXHAUST AIR GOOSENECK DETAIL ON DWG M5.1. COORDINATE LOCATION WITH EXISTING DUCT PENETRATION.
2. COORDINATE LOCATION WITH EXISTING DUCT PENETRATION.
3. REFER TO CONDENSING UNIT SUPPORT DETAIL ON DWG M5.1.
4. COMBINE DRAINS AND RUN TO NEAREST DOWNSPOUT. ONE DRAIN CONNECTION INDICATED. COORDINATE EXACT NUMBER OF DRAIN CONNECTIONS WITH EQUIPMENT MANUFACTURER.

PROJECT NO:	DATE:
550358	MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

HARRISONBURG FIRESTATION #1
 CITY OF HARRISONBURG, VIRGINIA
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ROOF PLAN - MECHANICAL

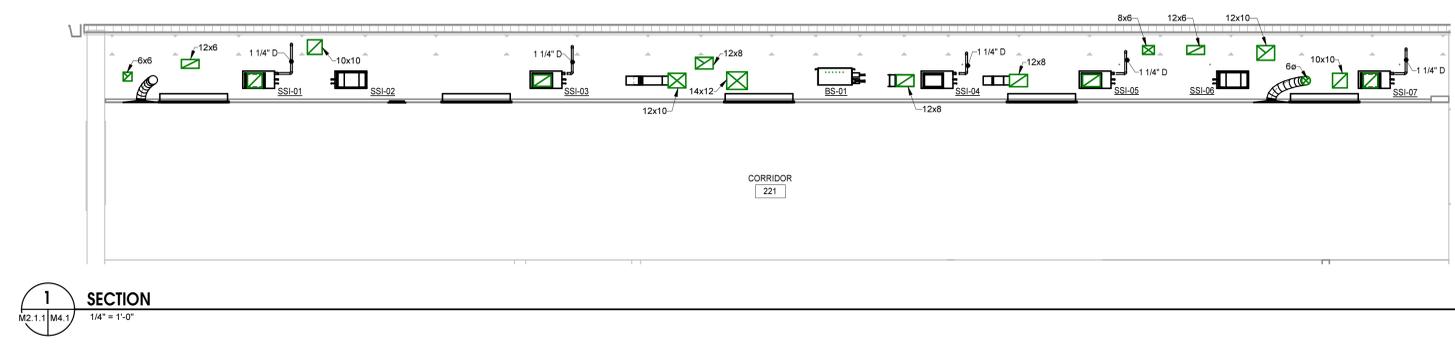
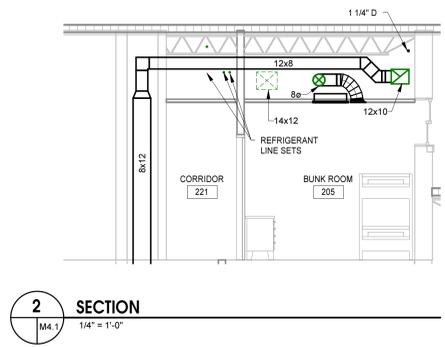
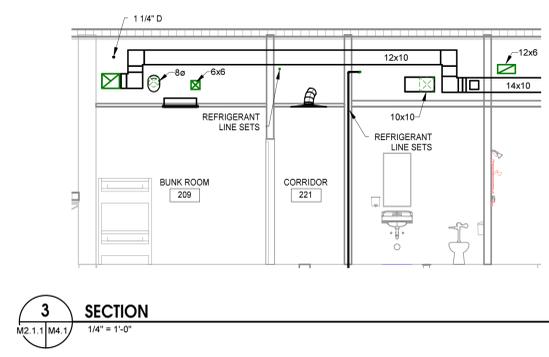
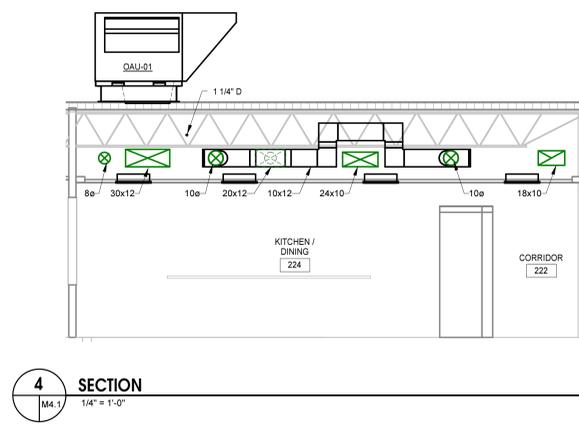
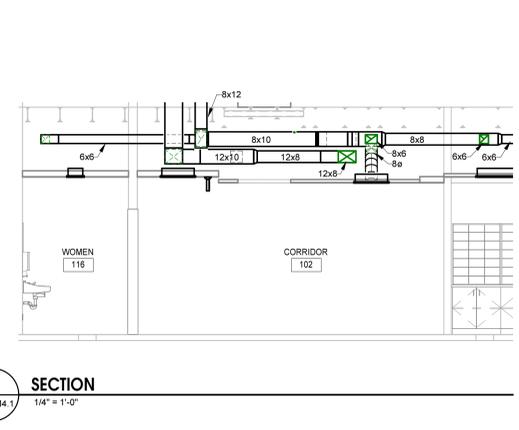
M2.2





HARRISONBURG FIRESTATION #1

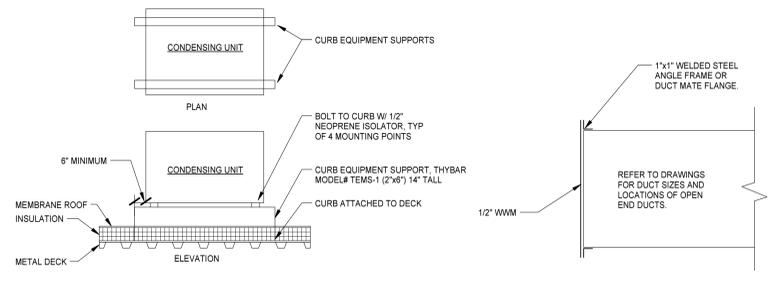
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PROJECT NO.	DATE
550358	MARCH 4, 2016
REVISIONS	DESCRIPTION

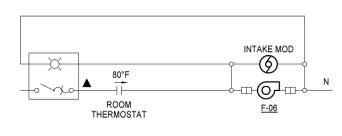
SECTIONS

M4.1

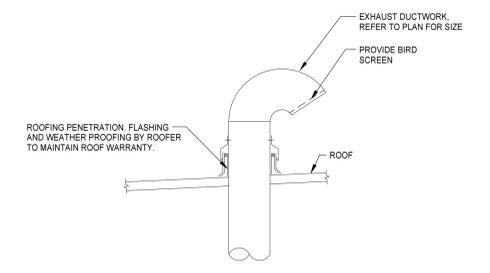


CONDENSING UNIT SUPPORT DETAIL
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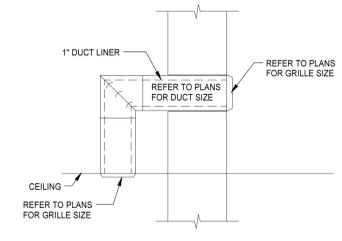
OPEN END DUCT DETAIL
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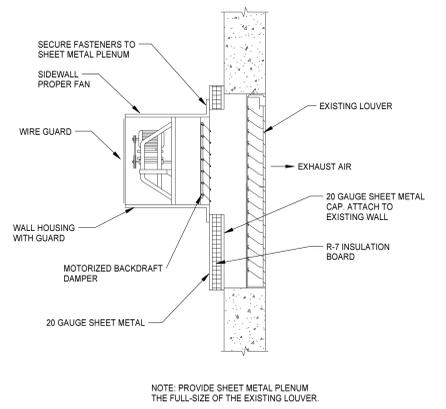
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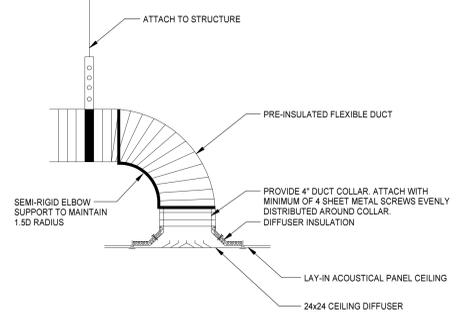
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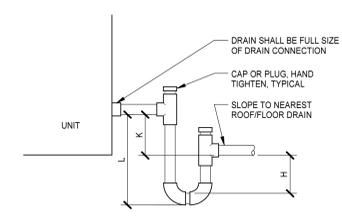
TRANSFER DUCT DETAIL
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SIDEWALL PROPELLER FAN DETAIL
NO SCALE



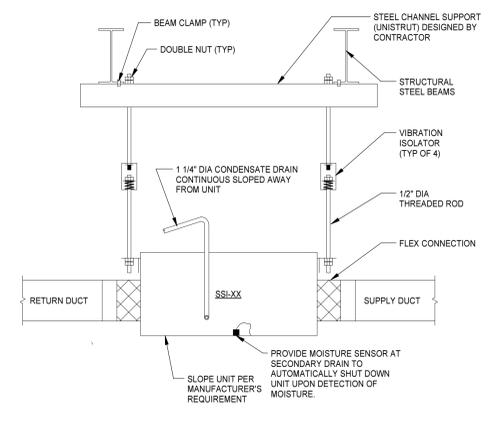
SUPPLY DIFFUSER CONNECTION LAY-IN-COLLAR
NO SCALE



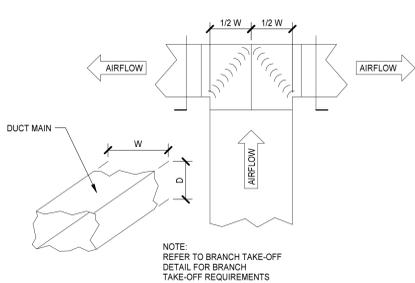
NEGATIVE PRESSURE CONDENSATE DRAIN DETAIL
NO SCALE

$K = 1"$ FOR EACH 1" OF MAXIMUM NEGATIVE STATIC PRESSURE + 1"
 $H = 1/2K$
 $L = H + K + \text{PIPE DIAMETER} + \text{INSULATION}$

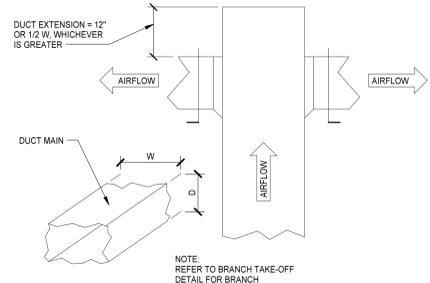
NOTES:
 1. LOCATE TRAP AS CLOSE AS POSSIBLE TO UNIT OUTLET WITH BOTTOM BELOW SUPPORT STRUCTURE.
 2. COORDINATE MOUNTING/CURB HEIGHT AS REQUIRED TO PROVIDE PROPER CONDENSATE DRAINAGE/TRAP HEIGHT.
 3. NOTIFY ARCHITECT BEFORE FABRICATION IF PHYSICAL CONDITIONS PREVENT INSTALLATION OF DEPTH INDICATED.



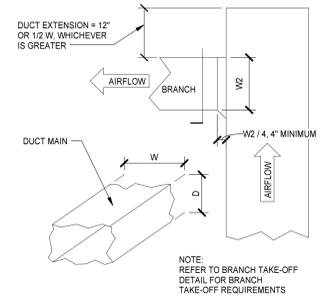
SPLIT SYSTEM INDOOR UNIT DETAIL (SS-XX)
NO SCALE



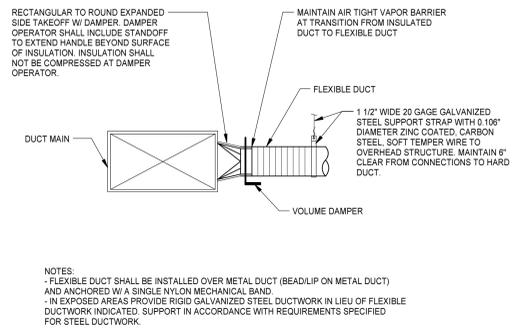
DUCT SPLIT WITH VANES DETAIL
NO SCALE



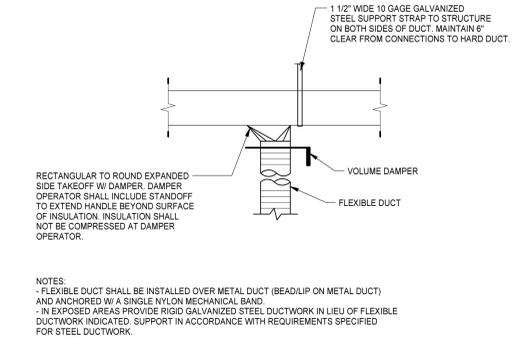
DUCT SPLIT WITHOUT VANES DETAIL
NO SCALE



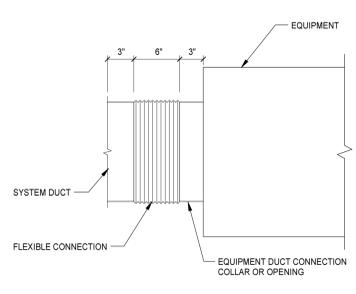
DUCT END OF MAIN DETAIL
NO SCALE



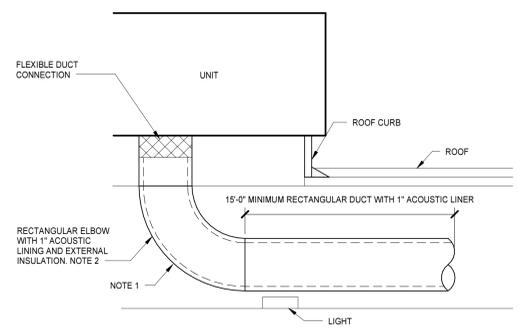
BRANCH TAKEOFF TO DIFFUSER-SIDE
NO SCALE



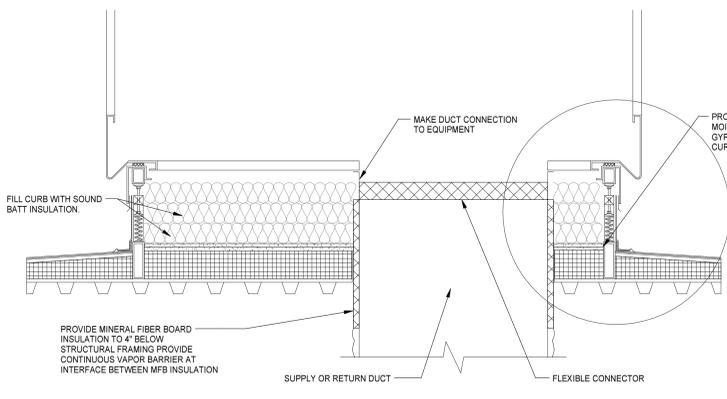
BRANCH TAKEOFF TO DIFFUSER-BOTTOM
NO SCALE



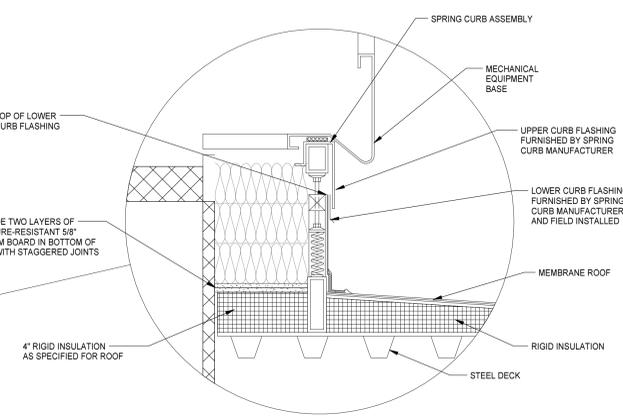
EQUIPMENT DUCT CONNECTION DETAIL
NO SCALE



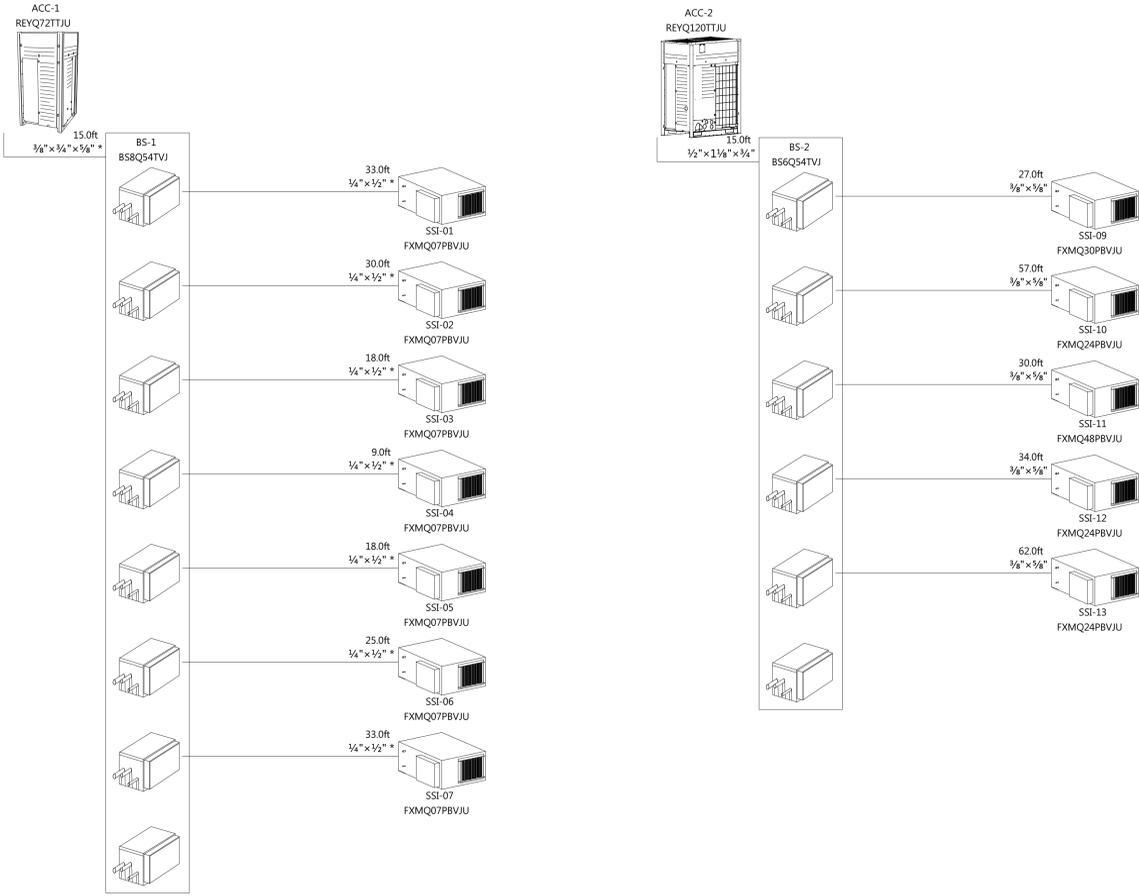
OUTSIDE AIR UNIT DUCT CONNECTION DETAIL
NO SCALE



ROOFTOP UNIT VIBRATION ISOLATION CURB DETAIL
NO SCALE

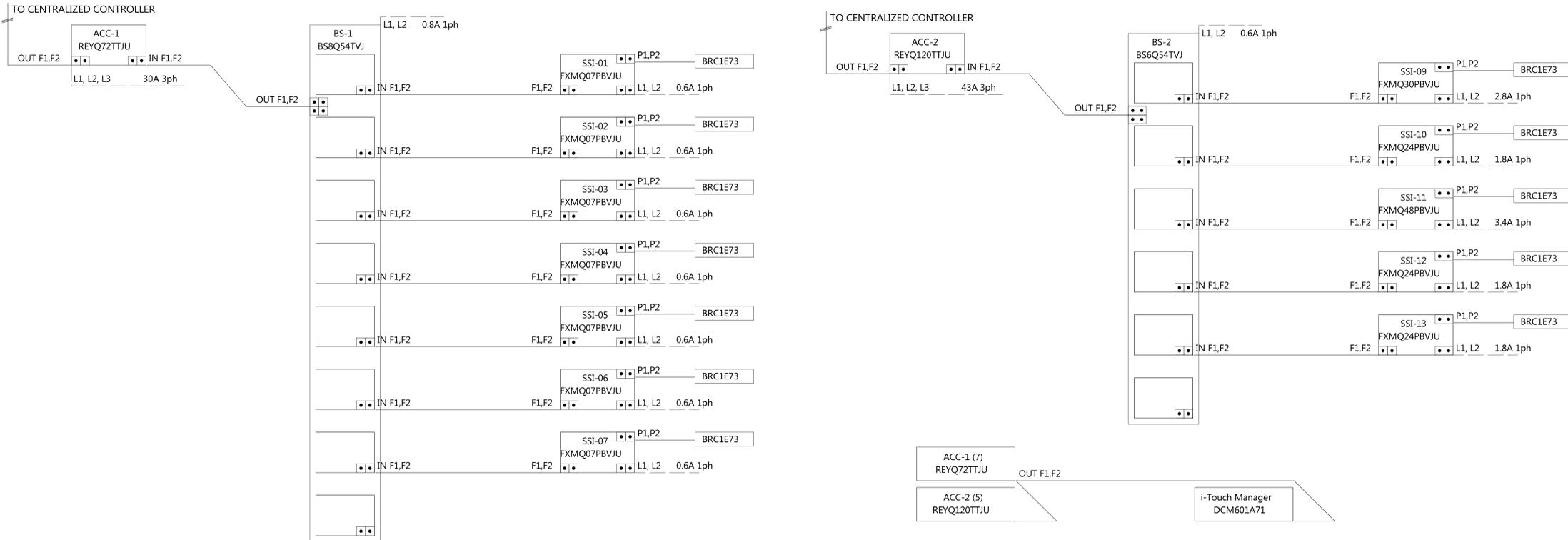


PROJECT NO:	DATE:
550358	MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION



VRF PIPING SCHEMATIC

NO SCALE



VRF WIRING SCHEMATIC

NO SCALE



PROJECT NO.	DATE
550358	MARCH 4, 2016
REVISIONS	DESCRIPTION



PROJECT NO: 550358	DATE: MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

GENERAL NOTES

- A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
- B. SUBSCRIPT LETTER BESIDE DEVICE INDICATES THE TYPE AS FOLLOWS:
 - 3R WEATHERPROOF (NEMA 3R)
 - W WALL MOUNT AT +4'-6" AFF
 - IG ISOLATED GROUND
 - P PILOT LIGHT AT THE SWITCH HANDLE
 - WG WIRE GUARD
 - C MOUNT #8 ABOVE COUNTER TOP BACK SPLASH
 - WP WEATHERPROOF
- C. FOLLOW MOUNTING HEIGHTS INDICATED IN THE ELECTRICAL LEGEND UNLESS OTHERWISE INDICATED. MEASURE ALL MOUNTING HEIGHTS FROM THE DEVICE CENTER LINE UNLESS NOTED OTHERWISE.
- D. VERIFY EXACT FEEDER LOCATIONS FOR MECHANICAL EQUIPMENT.
- E. EQUIPMENT CONNECTIONS ARE INDICATED IN THEIR APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS OF ALL CONNECTIONS WITH OTHER TRADES SUPPLYING EQUIPMENT TO AVOID CONFLICTS AT INSTALLATION.
- F. LOCATED ALL SWITCHES FOR LOCAL CONTROL OF LIGHTING ON STRIKE SIDE OF SINGLE DOORS UNLESS OTHERWISE INDICATED.
- G. PROVIDE SPECIFIC BREAKER ARRANGEMENT FOR THE PANEL BOARDS WHEREVER PHYSICALLY POSSIBLE. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPE WRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT.
- H. ALL CONDUIT RUNS INDICATED ARE DIAGRAMMATIC, COORDINATE ROUTING IN ALL SPACES WITH OTHER TRADES.
- I. CONDUCTOR CROSS HATCHING IS INDICATED TO CLARIFY BRANCH CIRCUIT AND/OR SWITCHING ARRANGEMENTS.
- J. ALL PANELBOARDS LOCATED ARE HOUSED IN A SINGLE WIDTH ENCLOSURE, UNO. THE CONTRACTOR SHALL FIELD VERIFY ROOM LAYOUT AND ADJUST ACCORDINGLY AT NO COST TO THE OWNER, IF PROVIDING ANY PANELBOARD ENCLOSURES.
- K. WHERE POWER AND COMMUNICATION OUTLETS ARE INDICATED IN CLOSE PROXIMITY ON THE DRAWINGS, FIELD COORDINATE THE LOCATIONS TO PLACE THE OUTLETS ADJACENT TO EACH OTHER.
- L. ALL EXTERIOR RECEPTACLES SHALL BE LABELED "WR" - WEATHER RESISTANT.
- M. WHERE MULTI-WIRE BRANCH CIRCUITS ARE PROVIDED (TWO OR MORE THREE LINE-TO-NEUTRAL CIRCUITS SHARING A NEUTRAL) PROVIDE A MULTI-POLE BREAKER OR LISTED BREAKER TIE TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT OF ORIGINATION. CONTRACTOR'S OPTION TO PROVIDE DEDICATED LABELED COLOR CODED NEUTRAL CONDUCTORS FOR EACH LINE-TO-NEUTRAL CIRCUIT RATHER THAN BREAKER TIES. REFER TO 2011 NEC 210.4.

ABBREVIATIONS

1P	SINGLE PHASE
3P	THREE PHASE
A	AMPS
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BKR	BREAKER
C	CONDUIT
CATV	COMMUNITY ANTENNA TELEVISION (CABLE)
CB	CIRCUIT BREAKER
CBL	CABLE
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CLR	CLEAR
CO	COMPANY
COMB	COMBINATION
COMM	COMMUNICATIONS
CU	COPPER
DIA	DIAMETER
DISC	DISCONNECT
DIV	DIVISION
DWG	DRAWING
EC	EMPTY CONDUIT
ELEC	ELECTRICAL
ELEV	ELEVATOR
EQ	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXT	EXTERIOR
FLA	FULL LOAD AMPS
FPND	FUSE PER NAMEPLATE DATA
G	GROUND
GE	GROUND FAULT PROTECTION FOR EQUIPMENT, 6-50mA PER NEC 427.22 (PROVIDE ACCESSORY FOR INDICATED BREAKER)
GFI	GROUND FAULT CIRCUIT INTERRUPT
GFP	GROUND FAULT PROTECTION FOR PERSONNEL, 4-6mA (PROVIDE ACCESSORY FOR INDICATED BREAKER)
HC	HORIZONTAL CROSS CONNECT
HP	HORSEPOWER
Hz	HERTZ
IAW	IN ACCORDANCE WITH
IC	INTERMEDIATE CROSS-CONNECT
J-BOX	JUNCTION BOX
KVA	KILOVOLT AMPS
KW	KILOWATTS
L	LOCKOUT TO PREVENT UNAUTHORIZED SWITCHING (PROVIDE ACCESSORY FOR INDICATED BREAKER)
LC	ROUTE CIRCUIT TO LOAD VIA LIGHTING CONTACTOR, REFER TO LC SCHEDULE
LED	LIGHT EMITTING DIODE
LTS	LIGHTING
LTS	LIGHTS
MAX	MAXIMUM
MC	MAIN CROSS CONNECT
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MIN	MINIMUM
ML	MAINTENANCE LOCK (PROVIDE ACCESSORY FOR INDICATED BREAKER)
MLO	MAIN LUG ONLY
MOPP	MAXIMUM OVER CURRENT PROTECTION
MTD	MOUNTED
N	NEUTRAL
NIC	NORMALLY CLOSED
NIO	NORMALLY OPEN
NO	NUMBER
PBD	PANELBOARD
PD	PROTECTIVE DEVICE
RCP	RECEPTACLE
REC	RECEPTACLE
SEC	SECURITY
SPD	SURGE PROTECTIVE DEVICE
SPEC.	SPECIFICATIONS
ST	SHUNT TRIP, 120V COIL (PROVIDE ACCESSORY FOR INDICATED BREAKER)
SW	SWITCH
SWBD	SWITCHBOARD
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TC	TELECOMMUNICATIONS CLOSET
TELECOM	TELECOMMUNICATIONS
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
W/	WITH
XFER	TRANSFER
XFMR	TRANSFORMER

AVERAGE MAINTAINED ILLUMINATION LEVELS

TASK	FOOTCANDLES
CLASSROOMS	55
OFFICES	50
ELECTRICAL ROOMS	30
MECHANICAL ROOMS	30
LOCKER ROOMS/BUNKS	20
TOILETS	20
KITCHEN	70
DINING	40

COMMUNICATIONS LEGEND

- NOTE: REFER TO "TYPICAL COMMUNICATION OUTLET DETAIL" FOR BOX & CONDUIT REQUIREMENTS. REFER TO TELECOMMUNICATION DEVICE DETAILS FOR CABLING AND TERMINAL JACK REQUIREMENTS.
- SYMBOL DESCRIPTION
- ▽x TELECOMMUNICATIONS OUTLET, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. MOUNT AT +3'-10" AFF.
 - ▽x TELECOMMUNICATIONS OUTLET, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. MOUNT AT +1'-6" AFF.
 - ▽ [MISC COMMUNICATIONS OUTLET], MOUNT AT +1'-6" AFF.
 - ⊕ INTERCOM STATION WITH PUSHBUTTON, MOUNT AT +4'-6" AFF.
 - ⊕ PUSHBUTTON SWITCH, MOUNT AT +4'-6" AFF. SUBSCRIPT "E" INDICATES EMERGENCY FUNCTIONS.
 - ⊕ CATV OUTLET, MOUNT AT +1'-6" [7'-8" AFF.
 - ⊕ WALL CLOCK, MOUNT AT +7'-6" AFF. SUBSCRIPT "D" INDICATES DOUBLE FACE CLOCK.
 - ⊕ MICROPHONE OUTLET, WALL MOUNT AT +1'-6" AFF. FLUSH FLOOR MOUNT. SUBSCRIPT NUMBER INDICATES NUMBER OF JACKS TO PROVIDE IN OUTLET.
 - ⊕ SOUND SYSTEM SPEAKER, RECESS WALL MOUNT AT +7'-6" AFF. "WG" WHERE PRESENT INDICATES PROVIDE PROTECTIVE WIRE GUARD.
 - ⊕ SOUND SYSTEM SPEAKER, RECESS CEILING MOUNT. "WG" WHERE PRESENT INDICATES PROVIDE PROTECTIVE WIRE GUARD.
 - ⊕ WIRELESS ACCESS POINT
 - TELECOMMUNICATIONS EQUIPMENT RACK.
 - 2' EMT CONDUIT SLEEVE WITH NYLON BUSHING EACH END UNO, THRU WALL AT +6" ABOVE FINISHED CEILING.
 - TGB TELECOMMUNICATIONS GROUND BUS BAR, MOUNT AT +1'-6" AFF.
 - TMGB TELECOMMUNICATIONS MAIN GROUND BUS BAR, MOUNT AT +1'-6" AFF.

POWER LEGEND

- SYMBOL DESCRIPTION
- ⊕ APPLIANCE RECEPTACLE, MOUNT AT +1'-6" AFF. PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED.
 - ⊕ APPLIANCE RECEPTACLE, MOUNT AT +1'-6" AFF. PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
 - ⊕ DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
 - ⊕ DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF.
 - ⊕ DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
 - ⊕ DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +7'-6" AFF.
 - ⊕ DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +7'-6" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
 - ⊕ GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF. PROVIDE NEMA 3R "WHILE IN USE" ENCLOSURE.
 - ⊕ GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
 - ⊕ GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
 - ⊕ GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF.
 - ⊕ GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
 - ⊕ DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
 - ⊕ DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
 - ⊕ DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF.
 - ⊕ DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
 - ⊕ SINGLE RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
 - ⊕ SINGLE RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF.
 - ⊕ SPD DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
 - ⊕ LINE VOLTAGE THERMOSTAT, DIVISION 23 FURNISH, DIVISION 26 INSTALL. REFER TO DIVISION 23 DRAWINGS FOR LOCATIONS AND QUANTITY.
 - ⊕ PUSHBUTTON CONTROLLER.
 - ⊕ PUSHBUTTON.
 - ⊕ CORD REEL, OUTLET, CEILING MOUNT.
 - ⊕ [NON-METALLIC SURFACE RACEWAY, DEVICES AS INDICATED, MOUNT AT +1'-6" AFF, UNO.
 - ⊕ JUNCTION BOX, CONCEALED ABOVE CEILING, UNO.
 - ⊕ ENCLOSED CIRCUIT BREAKER, CHARACTERISTICS AS INDICATED.
 - ⊕ MUSHROOM SWITCH, HEAVY DUTY WITH LEGEND PLATE. MOUNT WHHANDLE AT +3'-10" AFF, UNO.
 - ⊕ MANUAL MOTOR STARTER, OVERLOAD PROTECTION AS REQUIRED PER NAME PLATE RATINGS, WITH 'ON' INDICATOR PILOT LIGHT. FLUSH MOUNT WHHANDLE AT +3'-10" AFF, UNO.
 - ⊕ DISCONNECT SWITCH, FUSIBLE OR NON-FUSIBLE AS INDICATED. MOUNT WHHANDLE AT +4'-6" AFF, UNO.
 - ⊕ MAGNETIC MOTOR STARTER, WITH OVERLOAD RELAYS AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS. MOUNT WHHANDLE AT +4'-6" AFF, UNO.
 - ⊕ COMBINATION MAGNETIC STARTER AND DISCONNECT SWITCH. WITH OVERLOAD ELEMENTS AND FUSING AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS. MOUNT WHHANDLE AT +4'-6" AFF, UNO.
 - ⊕ EQUIPMENT POWER CONNECTION.
 - ⊕ MOTOR CONNECTION.
 - ⊕ CONNECTION TO DIV 23 MOTORIZED DAMPER, VERIFY LOCATION.
 - ⊕ POWER FOR ELECTRIC DOOR LOCK CONNECTION.
 - ⊕ POWER FOR ELECTRIC DOOR STRIKE CONNECTION.
 - ⊕ EMERGENCY GENERATOR.
 - BRANCH CIRCUIT RUN CONCEALED, UNO. DASHED INDICATES CIRCUITRY REQUIRED TO BE RUN BELOW SLAB.
 - STRAIGHT LINEWORK FOR CIRCUITRY INDICATES ON EMERGENCY POWER CIRCUIT. INDICATED FOR CLARITY ONLY. ACTUAL HOMERUN DESIGNATION OVERRIDES THIS SYMBOLOGY.
 - BRANCH CIRCUIT HOME RUN TO PANELBOARD AND CIRCUIT INDICATED.
 - PANELBOARD.
 - ⊕ TRANSFORMER, PROVIDE CONCRETE HOUSEKEEPING PAD UNLESS NOTED OTHERWISE.
 - ⊕ RELAY, N/O OR N/C AS INDICATED.
 - ⊕ RELAY, NORMALLY OPEN.
 - ⊕ RELAY, NORMALLY CLOSED.
 - ⊕ FEEDER TAG. REFER TO FEEDER SCHEDULE ON DWG E5.1.
 - ⊕ MOTORIZED DOOR PUSH-BUTTON.

LIGHTING LEGEND

- SYMBOL DESCRIPTION
- 5 LIGHT SWITCH, RATED 120/277 VOLTS, 20-AMPS, MOUNT AT +3'-10" AFF. SUBSCRIPT/SUPERSCRIP LETTERS, NUMBERS, AND SYMBOLS INDICATES SWITCH TYPE AS FOLLOWS:
 - 3 INDICATES 3-WAY LIGHT SWITCH
 - 4 INDICATES 4-WAY LIGHT SWITCH
 - D INDICATES DIMMER SWITCH
 - DOS INDICATES DIMMER SWITCH WITH INTEGRAL OCCUPANCY SENSOR
 - P INDICATES PILOT LIGHT, ON WHEN SWITCH IS ON
 - K INDICATES KEY OPERATED LIGHT SWITCH
 - OS INDICATES SWITCH WITH INTEGRAL OCCUPANCY SENSOR
 - OS* INDICATES DUAL RELAY INTEGRAL OCCUPANCY SENSOR, WIRED FOR MULT-LEVEL SWITCHING
 - LOWER CASE LETTER INDICATES LIGHT FIXTURE CONTROL DESIGNATION
 - INDICATES SWITCHES WIRED FOR INBOARD/OUTBOARD SWITCHING.
 - OMNI-DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, CEILING MOUNT.
 - DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, WALL MOUNT AT 6" BELOW FINISHED CEILING.
 - PHOTOELECTRIC CELL FOR LIGHTING CONTROL, WALL MOUNT AT +10'-0" AFF. AIM NORTH.
 - FLUORESCENT LIGHT FIXTURE, CEILING MOUNT.
 - FLUORESCENT LIGHT FIXTURE ON LIFE-SAFETY POWER, CEILING MOUNT.
 - LIGHTING FIXTURE.
 - LIGHTING FIXTURE ON EMERGENCY POWER.
 - WALL WASHER LIGHTING FIXTURE.
 - LIGHT FIXTURE, WALL MOUNT, HEIGHT AS INDICATED.
 - EXIT SIGN, CEILING MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.
 - EXIT SIGN, WALL MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.

DEMOLITION LEGEND

- SYMBOL DESCRIPTION
- REMOVE DEVICES, EQUIPMENT, IN ACCORDANCE WITH THE GENERAL DEMOLITION NOTES.
 - DEVICES ARE EXISTING TO REMAIN.
 - WITHIN HATCHED AREAS, DISCONNECT AND REMOVE ALL ELECTRICAL MATERIALS INCLUDING BUT NOT LIMITED TO LIGHTS, DEVICES, EQUIPMENT, SPEAKERS, FIRE ALARM, COMMUNICATIONS, AND CIRCUITRY.

FIRE ALARM LEGEND

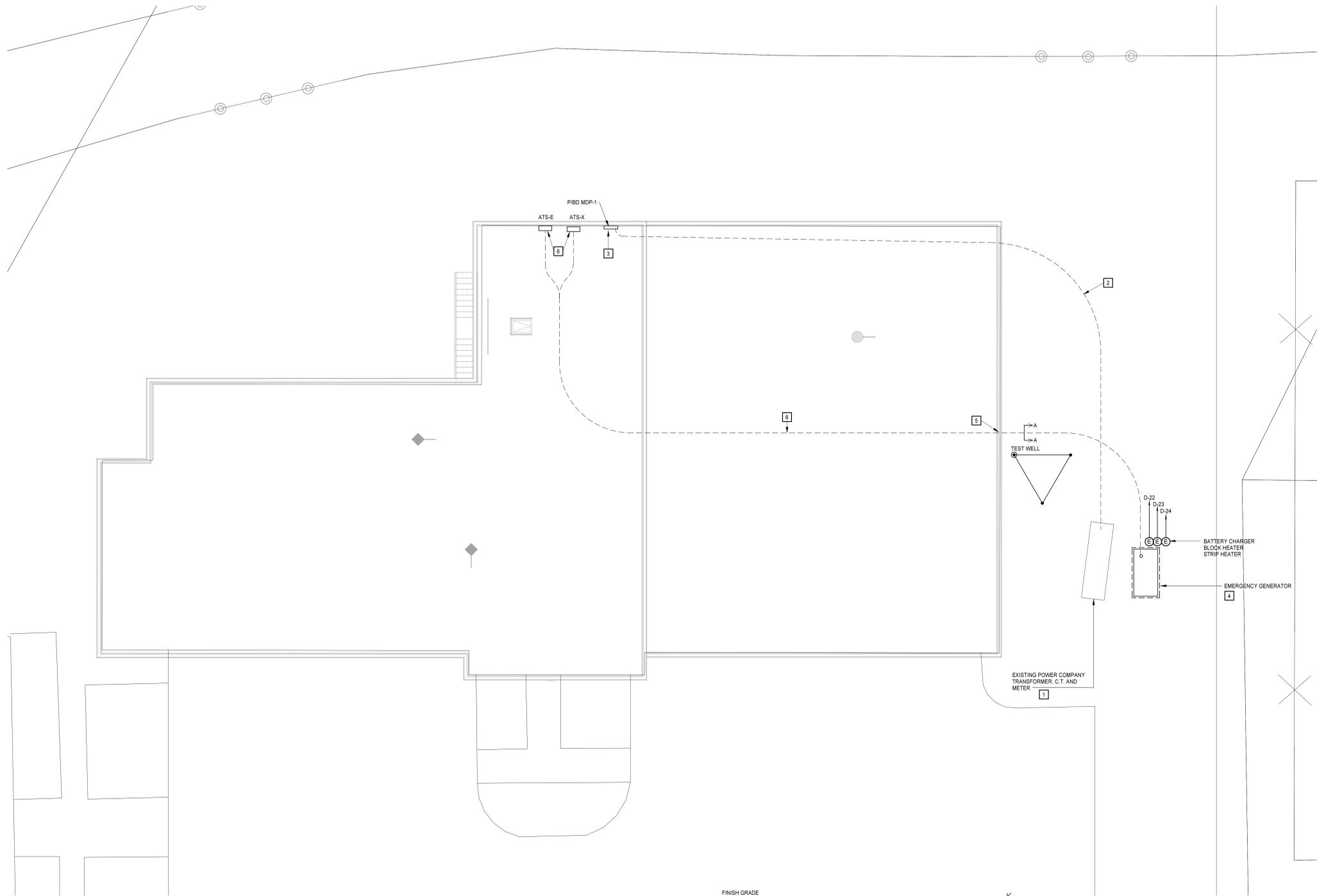
- SYMBOL DESCRIPTION
- ⊕ FIRE ALARM DUCT SMOKE DETECTOR, FURNISH AND CONNECT UNDER DIVISION 28. INSTALL UNDER DIVISION 23. VERIFY LOCATION WITH DIVISION 23 PRIOR TO RUSH-IN. PROVIDE ACCESSIBLE KEY OPERATED REMOTE TEST SWITCH FOR EACH DETECTOR. "X" DENOTES ZONE.
 - ⊕ SMOKE DETECTOR, CEILING MOUNT. SUBSCRIPT "G" WHEN PRESENT INDICATES PROVIDE DEVICE GUARD. "X" DENOTES ZONE.
 - ⊕ FIRE ALARM TAMPER SWITCH, PROVIDE UNDER DIVISION 23. MONITOR UNDER DIVISION 28.
 - ⊕ FIRE ALARM FLOW SWITCH, PROVIDE UNDER DIVISION 23. MONITOR UNDER DIVISION 28. "X" DENOTES ZONE.
 - ⊕ FIRE ALARM MONITOR MODULE. NOT ALL MONITOR MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED MONITORING FUNCTIONS.
 - ⊕ FIRE ALARM CONTROL MODULE. NOT ALL CONTROL MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED CONTROL FUNCTIONS.
 - ⊕ FIRE ALARM SPRINKLER BELL, MOUNT AT +10'-0" AFF.

ONE LINE DIAGRAM LEGEND

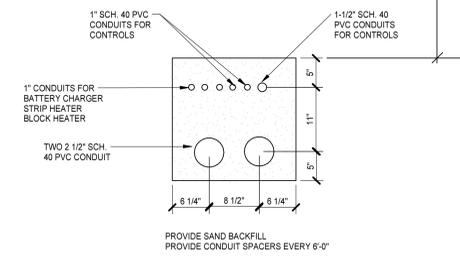
- SYMBOL DESCRIPTION
- CIRCUIT BREAKER
 - FUSED SWITCH
 - TRANSFORMER
 - TRANSFER SWITCH
 - FEEDER DESIGNATION
 - CT CURRENT TRANSFORMER
 - PT POTENTIAL TRANSFORMER

GRAPHICS SYMBOLS LEGEND

- SPACE IDENTIFICATION TAG
 - A123
 - SPACE NUMBER
 - BUILDING AREA (WHEN USED)
- SECTION WHERE CUT
 - E4.1
 - SECTION NUMBER
 - DRAWING WHERE SECTION IS INDICATED
- ENLARGED PLAN WHERE CUT
 - E3.1
 - ENLARGED PLAN NUMBER
 - DRAWING WHERE ENLARGED PLAN IS INDICATED
- DETAIL TAG
 - E6.1
 - DETAIL NUMBER
 - DRAWING WHERE DETAIL IS INDICATED
- DETAIL TITLE
 - E2.2 E5.1 1/4"=1'-0"
 - E2.2
 - DETAIL NUMBER
 - DRAWING WHERE DETAIL IS INDICATED
 - DRAWING WHERE DETAIL IS CUT
 - ADDITIONAL DRAWING REFERENCES
- SECTION TITLE
 - E2.2 E4.1 1/4"=1'-0"
 - E2.2
 - SECTION NUMBER
 - DRAWING WHERE SECTION IS INDICATED
 - DRAWING WHERE SECTION IS CUT
 - ADDITIONAL DRAWING REFERENCES



ELECTRICAL SITE PLAN
1/8" = 1'-0"



DUCTBANK SECTION A-A

KEYNOTES
APPLIES TO DRAWING E1.0
REPRESENTED BY [1]

1. THE ELECTRICAL SERVICE IS PROVIDED BY HARRISONBURG ELECTRIC COMMISSION. THE EXISTING TRANSFORMER, C.T. CABINET AND METER SHALL REMAIN IN PLACE TO SERVE THE FIRE STATION.
2. REUSE EXISTING SERVICE CONDUITS TO SERVE THE FIRE STATION. PROVIDE NEW CONDUITORS.
3. TRANSITION CONDUITS THROUGH BUILDING SLAB TO MPD-1.
4. OBTAIN EXISTING 150KW, 120/208VOLT, 3-PHASE, 4-WIRE GENERATOR FROM OWNER. PROVIDE CONCRETE PAD. INSTALL FUEL TANK AND GENERATOR ON PAD. PROVIDE UNDERGROUND EMERGENCY FEEDERS FROM GENERATOR TO AUTOMATIC TRANSFER SWITCHES ATS-X AND ATS-E.
5. TRANSITION FEEDERS FROM UNDERGROUND TO THE EXPOSED SLAB BELOW THE BUILDING.
6. RUN FEEDERS ALONG THE EXPOSED SLAB TO THE AUTOMATIC TRANSFER SWITCHES.

PROJECT NO.	DATE
550358	MARCH 4, 2016
REVISIONS	DESCRIPTION

ELECTRICAL - SITE PLAN

E1.0

HARRISONBURG FIRESTATION #1

CITY OF HARRISONBURG, VIRGINIA
80 MARYLAND AVE, HARRISONBURG, VIRGINIA 22801



MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23250
PHONE (804) 794-7555 FAX (804) 355-3590
MOSELEYARCHITECTS.COM

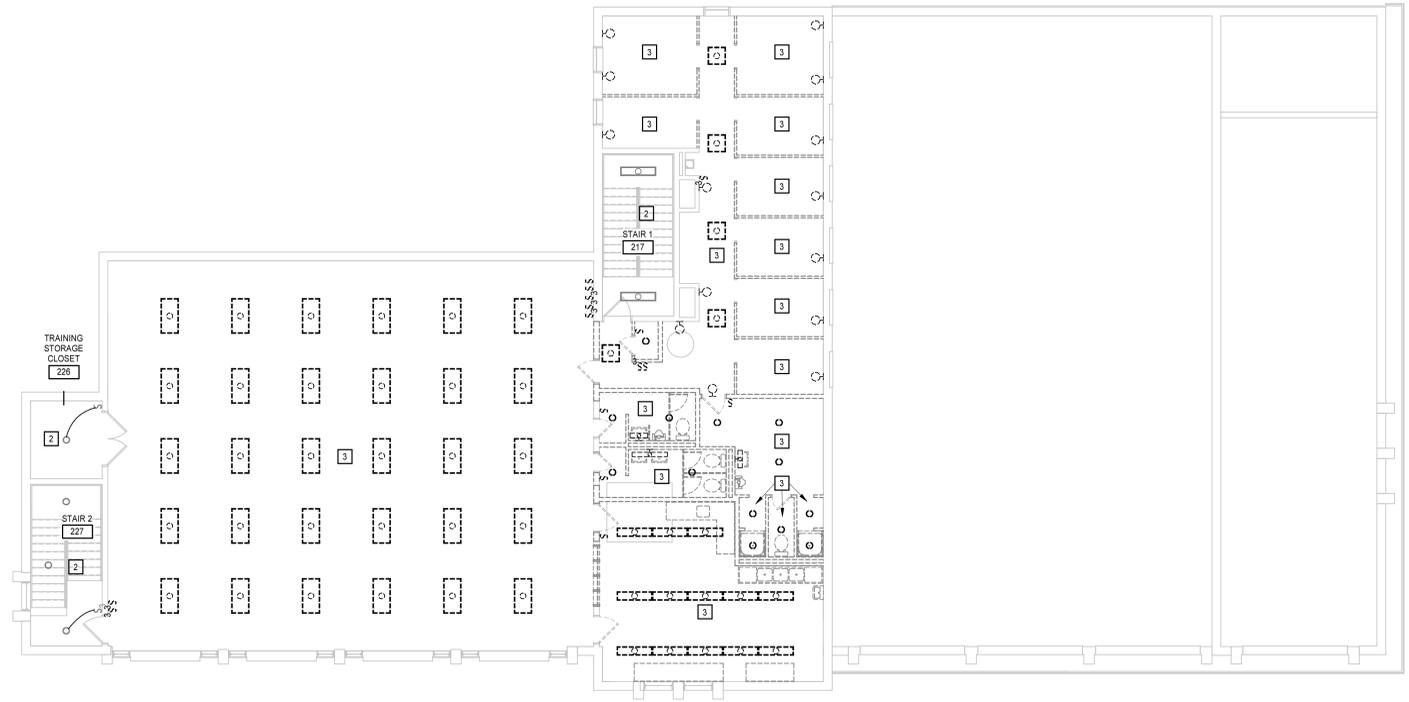
GENERAL DEMOLITION NOTES

- A. PROVIDE ALL ELECTRICAL DEMOLITION WORK REQUIRED TO INSTALL THE WORK INDICATED. REMOVE, REROUTE, AND RECONNECT ALL BRANCH CIRCUITS THAT WILL REMAIN IN USE BUT INTERFERES WITH THE WORK.
- B. REMOVE ALL EXISTING CONDUITS THAT WILL NOT BE REUSED AND WHERE THEY WILL BE EXPOSED AFTER COMPLETION. ABANDON ALL OTHERS IN THE WALLS ONLY. DISCONNECT ALL WIRING INDICATED AND/OR REQUIRED TO BE REMOVED FROM ALL POWER SOURCES. REMOVE ALL WIRING FROM ABANDONED CONDUITS AND PROVIDE BLANK COVER PLATES FOR BOXES NOT UTILIZED FOR THE WORK.
- C. MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN OR PORTIONS THEREOF AFFECTED BY THE WORK.
- D. BEFORE DEMOLITION, VERIFY WITH THE OWNER ALL EQUIPMENT TO BE SALVAGED TO OWNER AND NOT REMOVED FROM THE SITE. FOR ALL REMAINING EQUIPMENT INDICATED FOR REMOVAL (AND NOT RELOCATED), REMOVE AND DISPOSE IN A LEGAL MANNER.
- E. EXERCISE CARE IN REMOVING DEMOLITION ITEMS. REPAIR OR REPLACE ALL DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.
- F. DRAWINGS ARE BASED UPON EXISTING PLANS AND FIELD INVESTIGATION WITHOUT DEMOLITION. VISIT THE EXISTING BUILDING AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND EXAMINE ALL DRAWINGS TO AVOID CONFLICTS.
- G. WHERE DEMOLITION OF TELECOMMUNICATIONS DEVICES OCCUR, REMOVE CABLING NOT INDICATED TO REMAIN BACK TO POINT OF ORIGIN.
- H. DEMOLITION FLOOR PLANS ARE PROVIDED FOR REFERENCE ONLY TO AID IN DEFINING THE SCOPE OF DEMOLITION WORK.

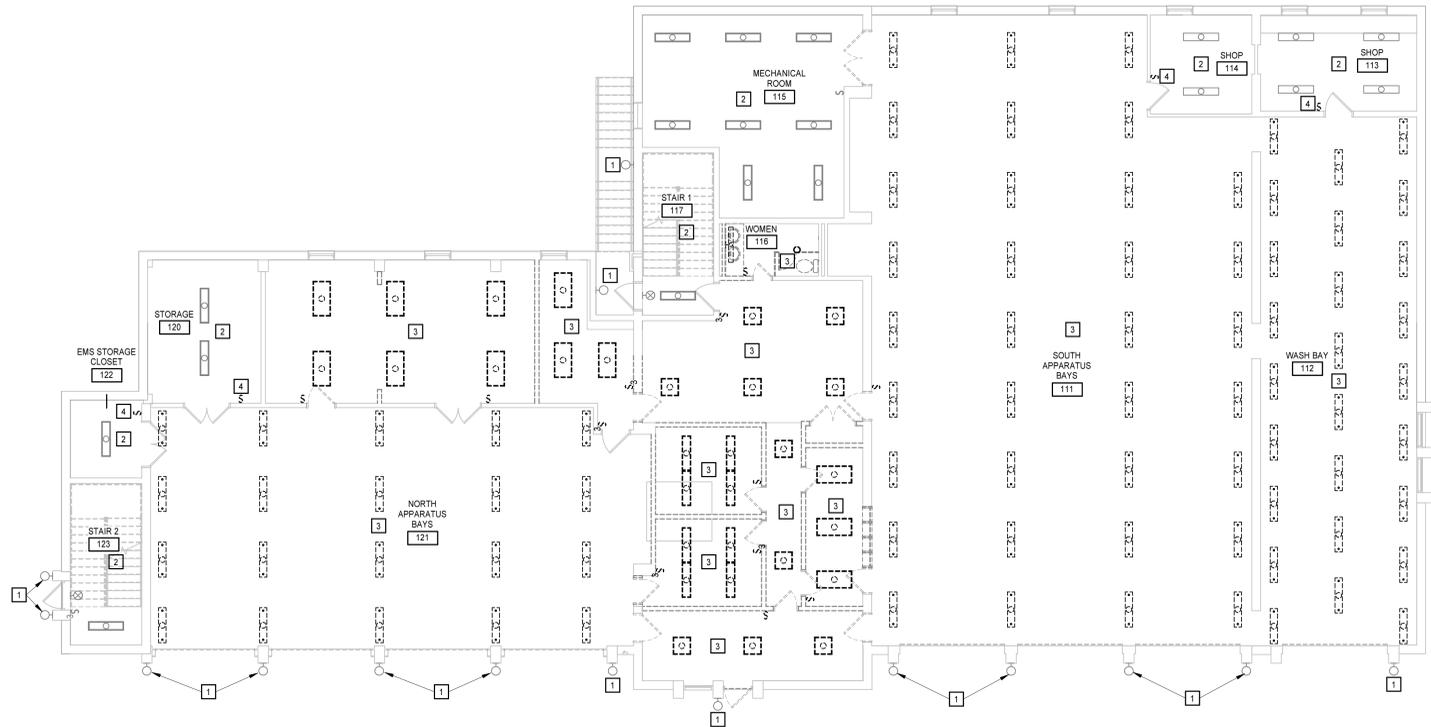
KEYNOTES

APPLIES TO DRAWING E1.1
REPRESENTED BY [Symbol]

- 1. THE EXISTING EXTERIOR LIGHT FIXTURES SHALL REMAIN. EXISTING CIRCUITRY, SWITCHING AND CONTROL SHALL REMAIN IN PLACE.
- 2. THE EXISTING LIGHT FIXTURES, EXIT SIGNS, TOGGLE SWITCHES AND CIRCUITRY SHALL REMAIN IN PLACE.
- 3. REMOVE EXISTING LIGHT FIXTURES, TOGGLE SWITCHES AND CIRCUITRY. REFER TO DRAWING E2.1.1 FOR CIRCUITING OF NEW LIGHT FIXTURES, CONTROL AND CIRCUITRY. REUSE EXISTING CONDUIT WHERE APPLICABLE.
- 4. REPLACE EXISTING LIGHT SWITCH WITH AN OCCUPANCY SENSOR TOGGLE SWITCH.



SECOND FLOOR PLAN - LIGHTING DEMOLITION
1/8" = 1'-0"



FIRST FLOOR PLAN - LIGHTING DEMOLITION
1/8" = 1'-0"

HARRISONBURG FIRESTATION #1

CITY OF HARRISONBURG, VIRGINIA
80 MARYLAND AVE, HARRISONBURG, VIRGINIA 22801

PROJECT NO: 550358	DATE: MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

LIGHTING
DEMOLITION
PLANS

E1.1



MOSELEYARCHITECTS

3200 NORFOLK STREET, RICHMOND, VA 23290
PHONE (804) 799-7555 FAX (804) 355-5590
MOSELEYARCHITECTS.COM

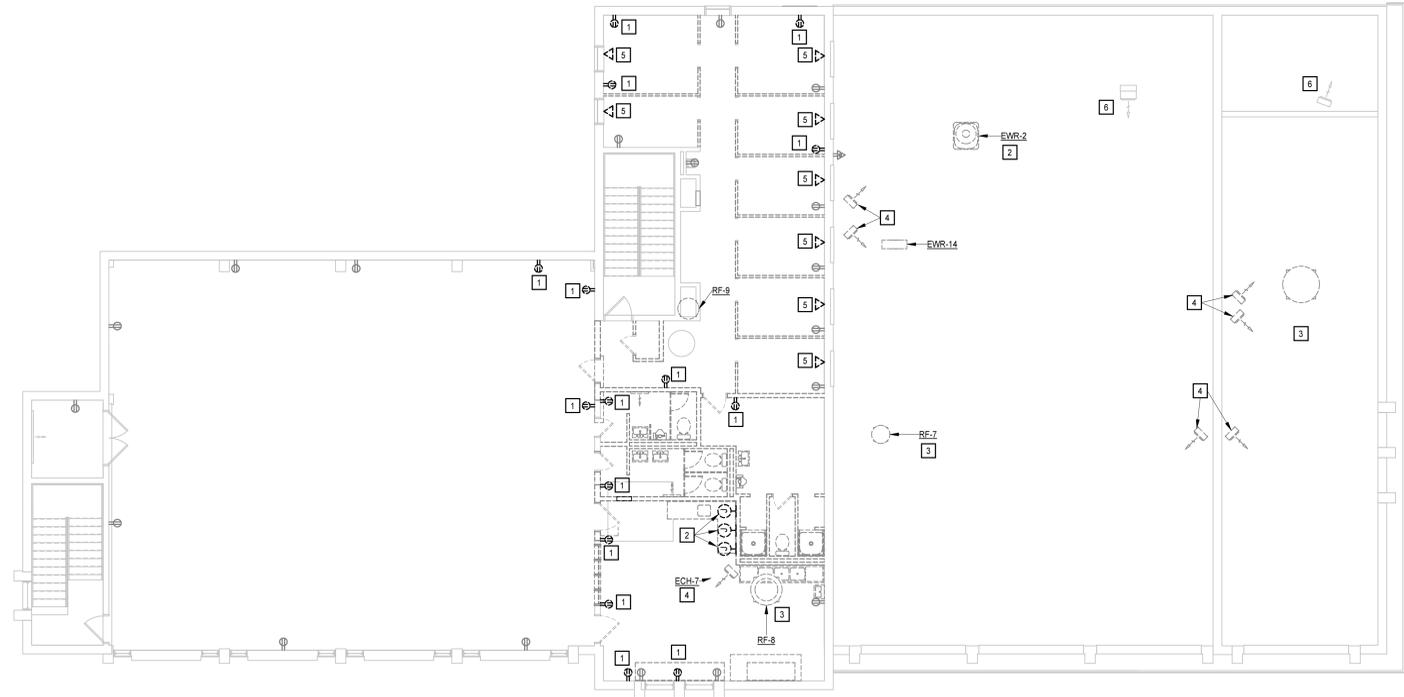
GENERAL DEMOLITION NOTES

- A. PROVIDE ALL ELECTRICAL DEMOLITION WORK REQUIRED TO INSTALL THE WORK INDICATED. REMOVE, REROUTE, AND RECONNECT ALL BRANCH CIRCUITS THAT WILL REMAIN IN USE BUT INTERFERES WITH THE WORK.
- B. REMOVE ALL EXISTING CONDUITS THAT WILL NOT BE REUSED AND WHERE THEY WILL BE EXPOSED AFTER COMPLETION, ABANDON ALL OTHERS IN THE WALLS ONLY. DISCONNECT ALL WIRING INDICATED AND/OR REQUIRED TO BE REMOVED FROM ALL POWER SOURCES. REMOVE ALL WIRING FROM ABANDONED CONDUITS AND PROVIDE BLANK COVER PLATES FOR BOXES NOT UTILIZED FOR THE WORK.
- C. MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN OR PORTIONS THEREOF AFFECTED BY THE WORK.
- D. BEFORE DEMOLITION, VERIFY WITH THE OWNER ALL EQUIPMENT TO BE SALVAGED TO OWNER AND NOT REMOVED FROM THE SITE. FOR ALL REMAINING EQUIPMENT INDICATED FOR REMOVAL (AND NOT RELOCATED), REMOVE AND DISPOSE IN A LEGAL MANNER.
- E. EXERCISE CARE IN REMOVING DEMOLITION ITEMS. REPAIR OR REPLACE ALL DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.
- F. DRAWINGS ARE BASED UPON EXISTING PLANS AND FIELD INVESTIGATION WITHOUT DEMOLITION. VISIT THE EXISTING BUILDING AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND EXAMINE ALL DRAWINGS TO AVOID CONFLICTS.
- G. WHERE DEMOLITION OF TELECOMMUNICATIONS DEVICES OCCUR, REMOVE CABLING NOT INDICATED TO REMAIN BACK TO POINT OF ORIGIN.
- H. DEMOLITION FLOOR PLANS ARE PROVIDED FOR REFERENCE ONLY TO AID IN DEFINING THE SCOPE OF DEMOLITION WORK.

KEYNOTES

APPLIES TO SECOND FLOOR DEMOLITION
REPRESENTED BY [Symbol]

- 1. REMOVE RECEPTACLE AND BRANCH CIRCUIT. DOWNSTREAM RECEPTACLES SHALL REMAIN ENERGIZED. REMOVE WIRING AND EXPOSED CONDUIT BACK TO PIBD WHERE APPLICABLE. CONCEALED CONDUIT SHALL REMAIN IN PLACE.
- 2. REMOVE APPLIANCE CONNECTION AND BRANCH CIRCUIT. REMOVE WIRING AND EXPOSED CONDUIT BACK TO PIBD WHERE APPLICABLE. CONCEALED CONDUIT SHALL REMAIN IN PLACE.
- 3. REMOVE FAN CONNECTION AND BRANCH CIRCUIT. REMOVE WIRING AND EXPOSED CONDUIT BACK TO PIBD WHERE APPLICABLE. CONCEALED CONDUIT SHALL REMAIN IN PLACE.
- 4. REMOVE ELECTRICAL CONNECTION AND BRANCH CIRCUIT. TO HEATER. CONCEALED CONDUIT SHALL BE ABANDON IN PLACE.
- 5. REMOVE COMMUNICATION OUTLET AND CABLING. PROVIDE BLANK COVERPLATE.
- 6. EXISTING MECHANICAL UNIT TO REMAIN.

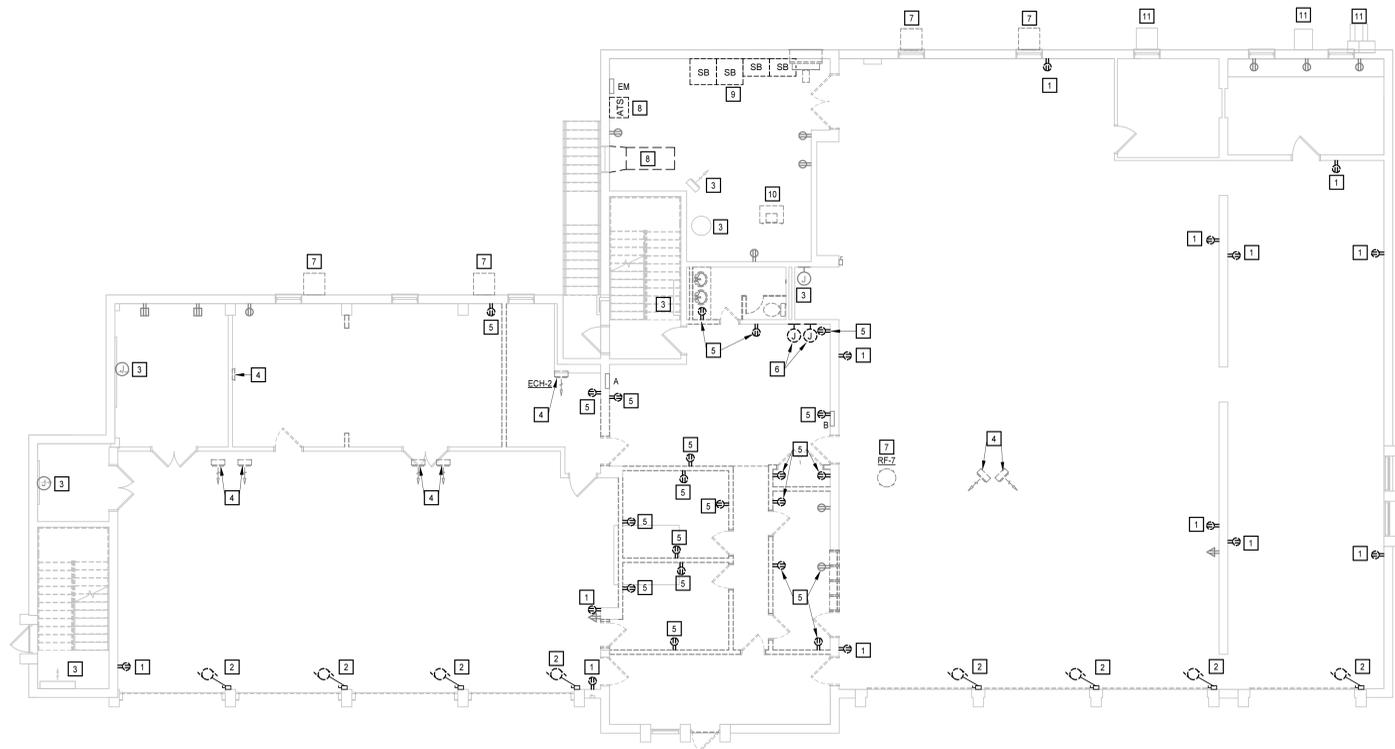


SECOND FLOOR PLAN - POWER DEMOLITION
1/8" = 1'-0"

KEYNOTES

APPLIES TO FIRST FLOOR DEMOLITION
REPRESENTED BY [Symbol]

- 1. REPLACE RECEPTACLE WITH A GFI RECEPTACLE.
- 2. REMOVE ELECTRICAL CONNECTION, DISCONNECT SWITCH AND CONTROL TO OVERHEAD DOOR. BRANCH CIRCUIT SHALL REMAIN TO SERVE NEW DOOR.
- 3. EXISTING CIRCUIT SHALL REMAIN.
- 4. REMOVE ELECTRICAL CONNECTION AND BRANCH CIRCUIT. TO HEATER. CONCEALED CONDUIT SHALL BE ABANDON IN PLACE.
- 5. REMOVE RECEPTACLE AND BRANCH CIRCUIT. DOWNSTREAM RECEPTACLES SHALL REMAIN ENERGIZED. REMOVE WIRING AND EXPOSED CONDUIT BACK TO PIBD WHERE APPLICABLE. CONCEALED CONDUIT SHALL REMAIN IN PLACE.
- 6. REMOVE APPLIANCE CONNECTION AND BRANCH CIRCUIT. REMOVE WIRING AND EXPOSED CONDUIT BACK TO PIBD WHERE APPLICABLE. CONCEALED CONDUIT SHALL REMAIN IN PLACE.
- 7. REMOVE FAN CONNECTION AND BRANCH CIRCUIT. REMOVE WIRING AND EXPOSED CONDUIT BACK TO PIBD WHERE APPLICABLE. CONCEALED CONDUIT SHALL REMAIN IN PLACE.
- 8. REMOVE EMERGENCY GENERATOR AND TRANSFER SWITCH. REMOVE FEEDERS AND GAS CONNECTION.
- 9. REMOVE SWITCHBOARD. REMOVE FEEDER TO TRANSFORMER. SERVICE CONDUIT SHALL BE REUSED TO SERVE NEW SERVICE.
- 10. REMOVE ELECTRICAL CONNECTION AND BRANCH CIRCUIT TO AIR HANDLING UNIT.
- 11. EXISTING MECHANICAL UNIT TO REMAIN.



FIRST FLOOR PLAN - POWER DEMOLITION
1/8" = 1'-0"



PROJECT NO: 550358	DATE: MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

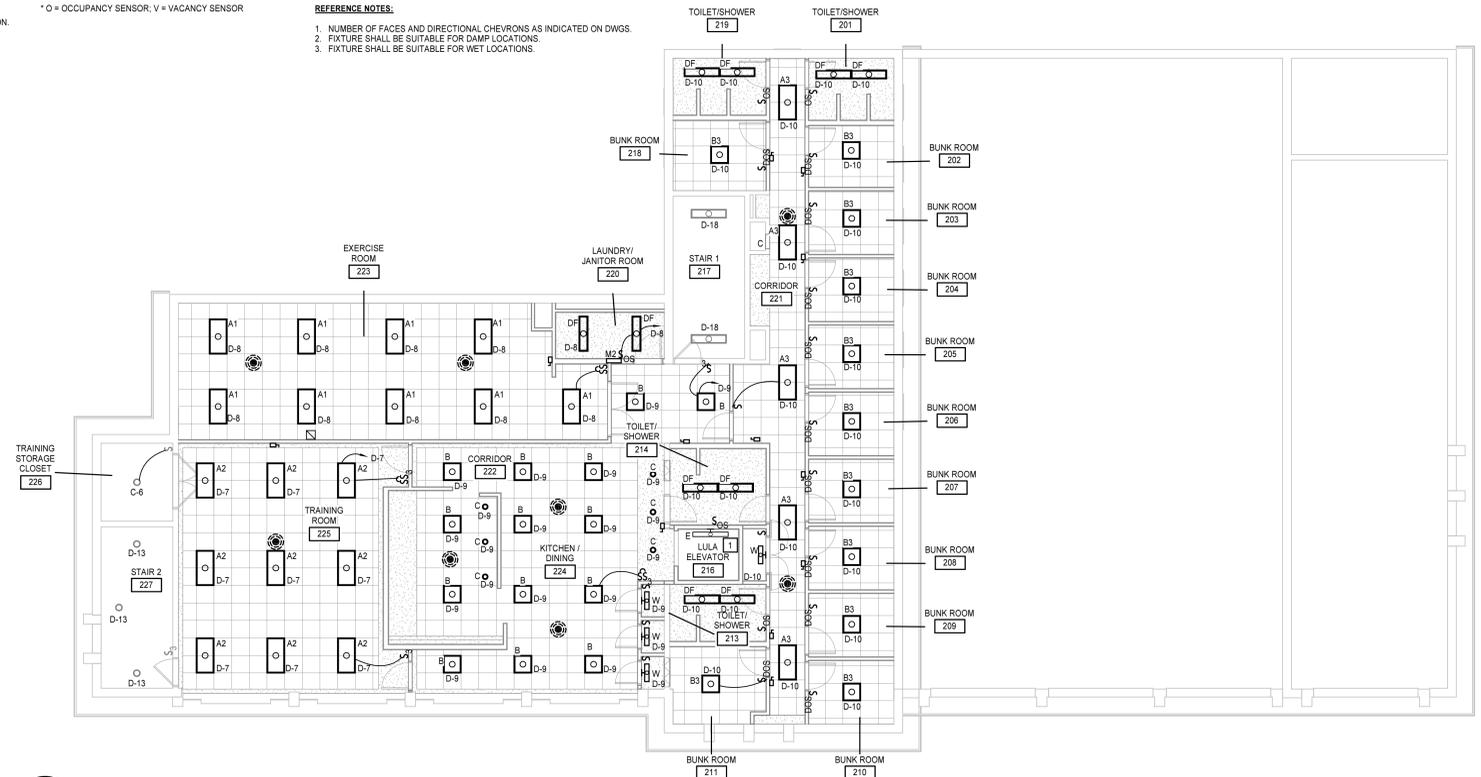
INTERIOR LIGHT FIXTURE SCHEDULE																		
TYPE	DESCRIPTION	MANUFACTURER	FIXTURE				LAMP			MOUNTING	OPTIONS					REFERENCE NOTE	COMMENTS	
			SERIES NO.	WATTAGE	LUMENS	COLOR	QUANTITY	TYPE	COLOR TEMP.		B-LEVEL	DIMMING	INTEGRAL SWITCH	INTEGRAL OCC./VAC. SENSOR	BAS			DAYLIGHTING
A1	2X4 TROFFER	LITHONIA LIGHTING	2ALL4-30L-MVOLT-EZ1-LP840	25	3096 lm	WHITE	1	LED	4000 K	CEILING RECESSED	Y							
A1F	2X4 TROFFER	LITHONIA LIGHTING	2ALL4-30L-MVOLT-EZ1-LP840	25	3096 lm	WHITE	1	LED	4000 K	RECESSED FLANGE								
A2	2X4 TROFFER	LITHONIA LIGHTING	2ALL4-40L-MVOLT-EZ1-LP840	25	3938 lm	WHITE	1	LED	4000 K	CEILING RECESSED	Y							
A3	2X4 TROFFER	LITHONIA LIGHTING	2ALL4-30L-MVOLT-EZ1-LP840	25	2971 lm	WHITE	1	LED	4000 K	CEILING RECESSED								
B	2X2 TROFFER	LITHONIA LIGHTING	2ALL2-20L-MVOLT-EZ1-LP840	18	2064 lm	WHITE	1	LED	4000 K	CEILING RECESSED	Y							
B3	2X2 TROFFER	LITHONIA LIGHTING	2ALL2-20L-MVOLT-EZ1-LP840	18	2064 lm	WHITE	1	LED	4000 K	CEILING RECESSED		Y						
BF	2X2 TROFFER	LITHONIA LIGHTING	2ALL2-20L-MVOLT-EZ1-LP840	20	2064 lm	WHITE	1	LED	4000 K	RECESSED FLANGE								
C	RECESSED MOUNT CAN FIXTURE	LITHONIA LIGHTING	REAL509	8	600 lm	WHITE	1	LED	4000 K	CEILING RECESSED								
G1	1X4 INDUSTRIAL	LITHONIA LIGHTING	ALL4-20L-MVOLT-EZ1-LP840	21	2280 lm	WHITE	1	LED	4000 K	SURFACE								
G2	1X4 INDUSTRIAL	LITHONIA LIGHTING	ALL4-30L-MVOLT-EZ1-LP840	30	3249 lm	WHITE	1	LED	4000 K	SURFACE								
DF	1X4 RECESSED TROFFER	LITHONIA LIGHTING	TL430LPWA19LP835	30	2971 lm	WHITE	1	LED	4000 K	RECESSED FLANGE								
E	ELEVATOR PIT LIGHT	LITHONIA LIGHTING	VAP4900LFPSTMDMVOLT	32	1800 lm	WHITE	1	LED	4000 K	SURFACE								
F	WALL MOUNT FLASHER	FEDERAL SIGNAL CORPORATION	LP1	7	200000 lm	AMBER	1	LED	4000 K	WALL MOUNT +7'-0" AFF U.O.								OPERATE WITH CONTACT SWITCH TO FLASH WHILE DOOR IS IN OPERATION. AND STOP WHEN DOOR IS HIGH ENOUGH FOR TRUCK TO PASS THROUGH DOOR.
W	WALL MOUNT PANTRY FIXTURE	LITHONIA LIGHTING	WL2-08L-LP840	8	800 lm	WHITE	1	LED	4000 K	WALL MOUNT +8'-0" AFF U.O.								
X1	SINGLE FACE EXIT SIGN	LITHONIA LIGHTING	EXR LED M6	5		RED LETTERS/WHITE HOUSING	1	LED		UNIVERSAL								

- GENERAL NOTES:**
- A. ALL FIXTURES SHALL BE CAPABLE OF 120V AND 277V INPUT (MVOLT). UNO.
 - B. REFER TO LIGHTING PLANS AND SPECIFICATIONS FOR ADDITIONAL FIXTURE INFORMATION.
 - C. WHERE B-LEVEL IS INDICATED FOR FLUORESCENT FIXTURES, PROVIDE TWO BALLASTS.
 - D. *IN THE SCHEDULE INDICATES ITEM IS REQUIRED.
 - E. KITCHEN FIXTURES: INSTALL LENS WITH SMOOTH SIDE OUT.
 - F. ALL LENS SHALL BE A MINIMUM 0.125" THICKNESS UNO.
 - G. ALL FLUORESCENT BALLASTS SHALL BE ELECTRONIC TYPE.
- *O = OCCUPANCY SENSOR, V = VACANCY SENSOR

- REFERENCE NOTES:**
- 1. NUMBER OF FACES AND DIRECTIONAL CHEVRONS AS INDICATED ON DWGS.
 - 2. FIXTURE SHALL BE SUITABLE FOR DAMP LOCATIONS.
 - 3. FIXTURE SHALL BE SUITABLE FOR WET LOCATIONS.

KEYNOTES
 APPLIES TO SECOND FLOOR
 REPRESENTED BY [Symbol]

1. MOUNT LIGHT FIXTURE AT TOP OF ELEVATOR SHAFT. CONNECT ELEVATOR PIT LIGHT AND SWITCH.



SECOND FLOOR PLAN - LIGHTING
 1/8" = 1'-0"

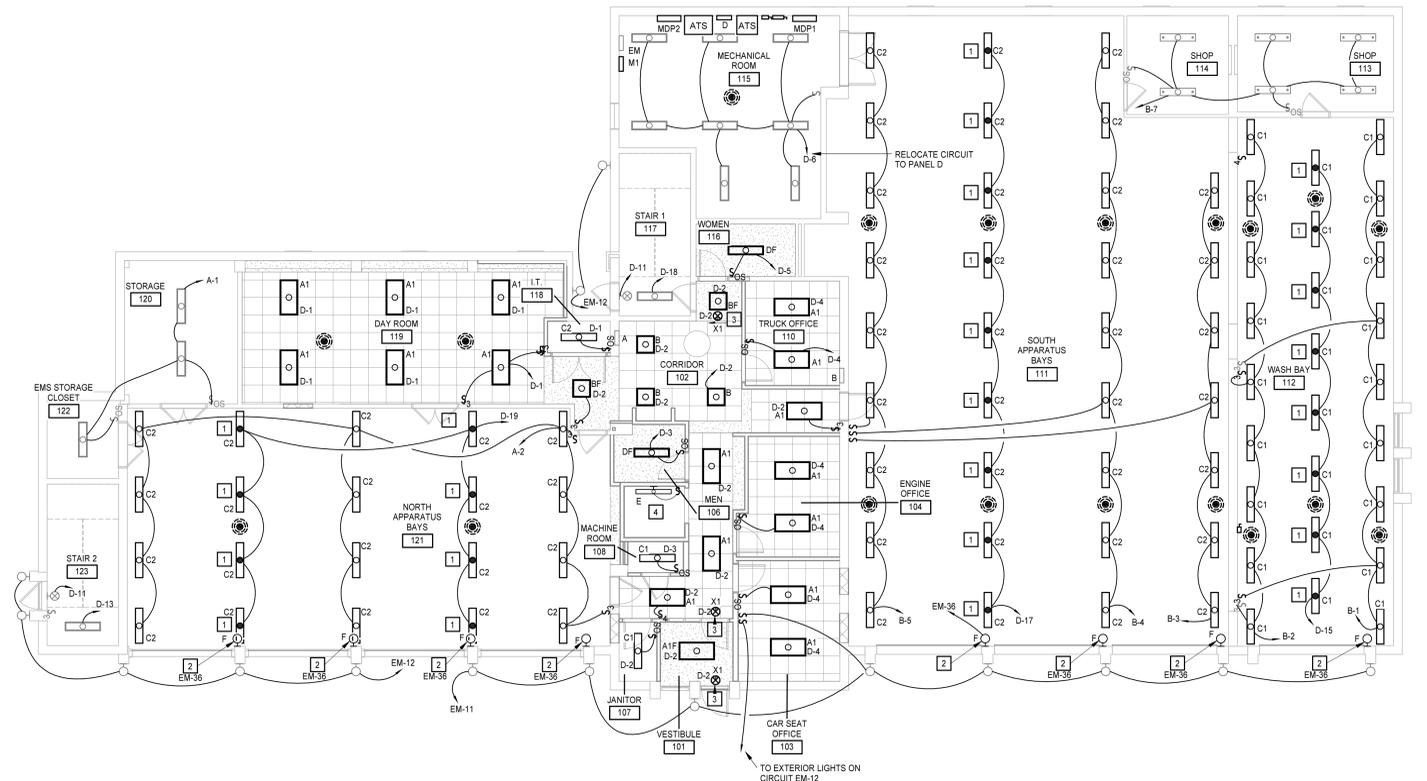
KEYNOTES
 APPLIES TO FIRST FLOOR
 REPRESENTED BY [Symbol]

1. LIGHT FIXTURE SHALL BE UNSWITCHED. THESE LIGHT FIXTURES SHALL NOT BE CONTROLLED BY THE OCCUPANCY SENSORS.

2. PROVIDE LIGHT FIXTURE AT +9'-0" AFF. PROVIDE CONTACT SWITCHES AT THE TOP AND BOTTOM OF THE OVERHEAD DOOR. LIGHT SHALL FLASH WHILE DOOR IS IN OPERATION.

3. CONNECT EXIT SIGNS TO HOT LEG OF LIGHTING CIRCUIT INDICATED.

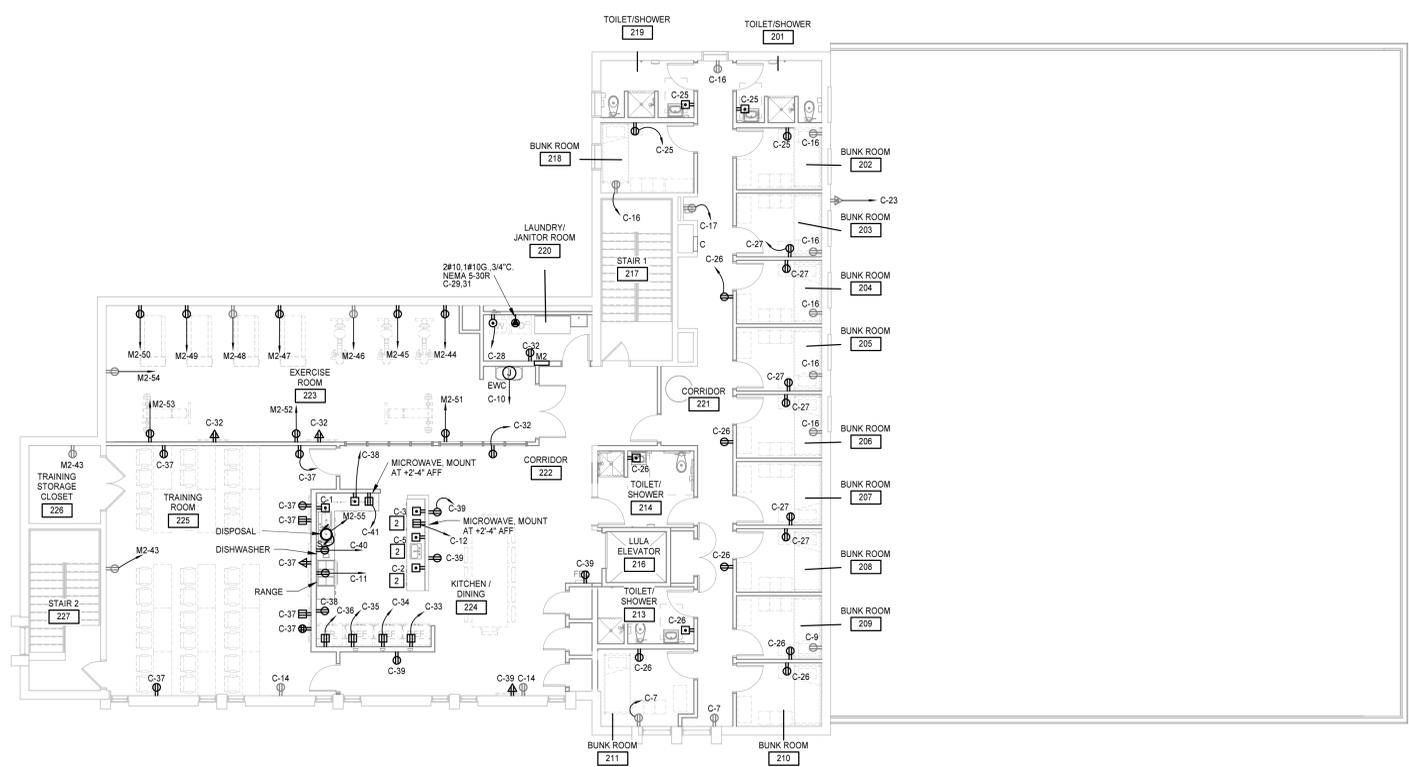
4. MOUNT LIGHT FIXTURE IN ELEVATOR PIT. CONNECT LIGHT FIXTURE AND SWITCH TO ELEVATOR PIT RECEPTACLE. REFER TO DRAWING E2.1.2



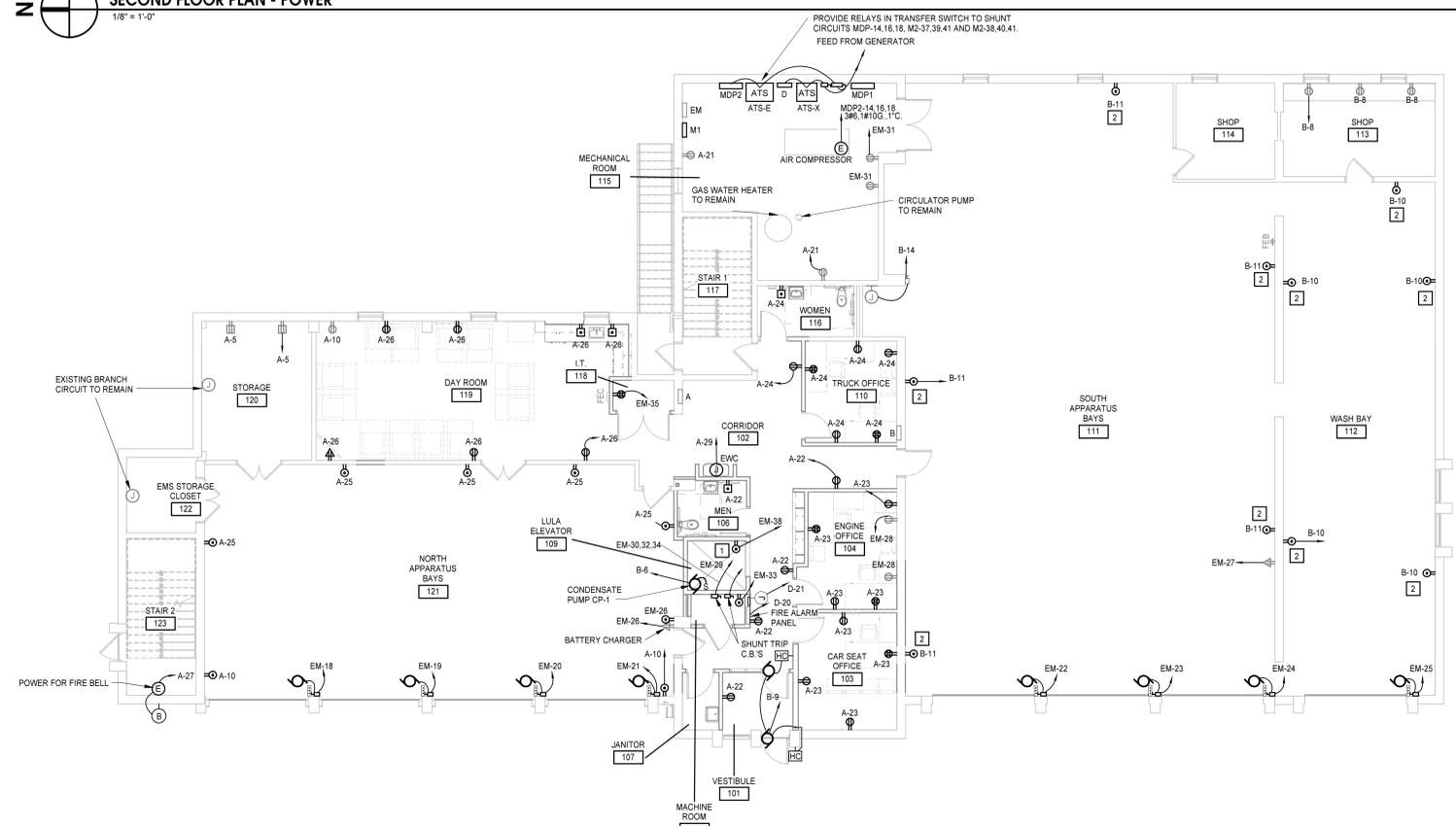
FIRST FLOOR PLAN - LIGHTING
 1/8" = 1'-0"



PROJECT NO:	DATE:
550358	MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION



SECOND FLOOR PLAN - POWER
 1/8" = 1'-0"



FIRST FLOOR PLAN - POWER
 1/8" = 1'-0"

KEYNOTES
 APPLIES TO DRAWING E2.1.2
 REPRESENTED BY [A]

1. CONNECT CIRCUIT TO TOGGLE SWITCH AND LIGHT FIXTURES IN ELEVATOR PIT AND TOP OF SHAFT.
2. REPLACE EXISTING RECEPTACLE WITH A GFI RECEPTACLE.
3. MOUNT RECEPTACLE HORIZONTAL IN BACKSPLASH.

PROVIDE RELAYS IN TRANSFER SWITCH TO SHUNT CIRCUITS MDP-14,16,18, M2-37,38,41 AND M2-39,40,41. FEED FROM GENERATOR

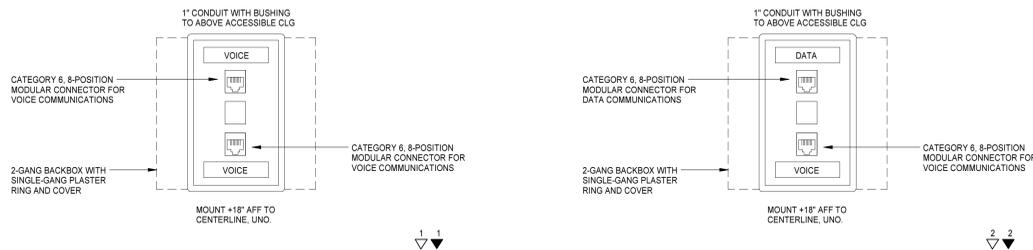
HARRISONBURG FIRESTATION #1

CITY OF HARRISONBURG, VIRGINIA
 80 MARYLAND AVE, HARRISONBURG, VIRGINIA 22801

PROJECT NO: 550358	DATE: MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

FIRST AND SECOND FLOOR PLANS - POWER

E2.1.2

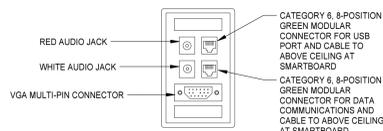


TELECOMMUNICATION OUTLET DETAIL - TYPE 1

WIRING AND JACKS BY OWNER. PROVIDED FOR INFORMATION ONLY.
PROVIDE RACEWAY AND JUNCTION BOXES.

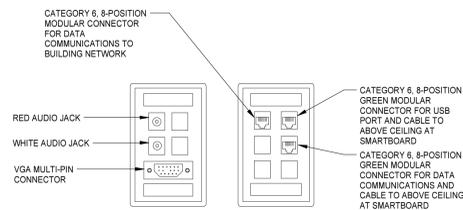
TELECOMMUNICATION OUTLET DETAIL - TYPE 2

WIRING AND JACKS BY OWNER. PROVIDED FOR INFORMATION ONLY.
PROVIDE RACEWAY AND JUNCTION BOXES.



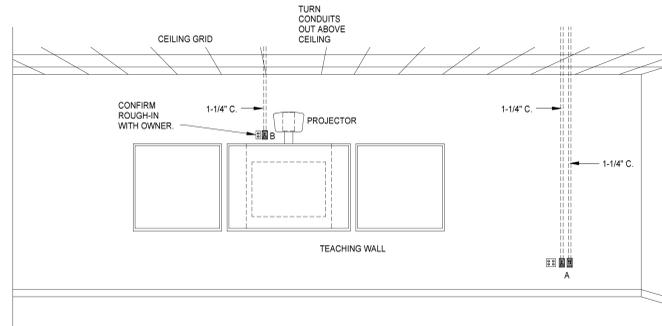
SMARTBOARD OUTLET

WIRING AND JACKS BY OWNER. PROVIDED FOR INFORMATION ONLY.
PROVIDE RACEWAY AND JUNCTION BOXES.



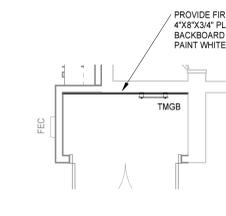
LECTERN PANEL

WIRING AND JACKS BY OWNER. PROVIDED FOR INFORMATION ONLY.
PROVIDE RACEWAY AND JUNCTION BOXES.



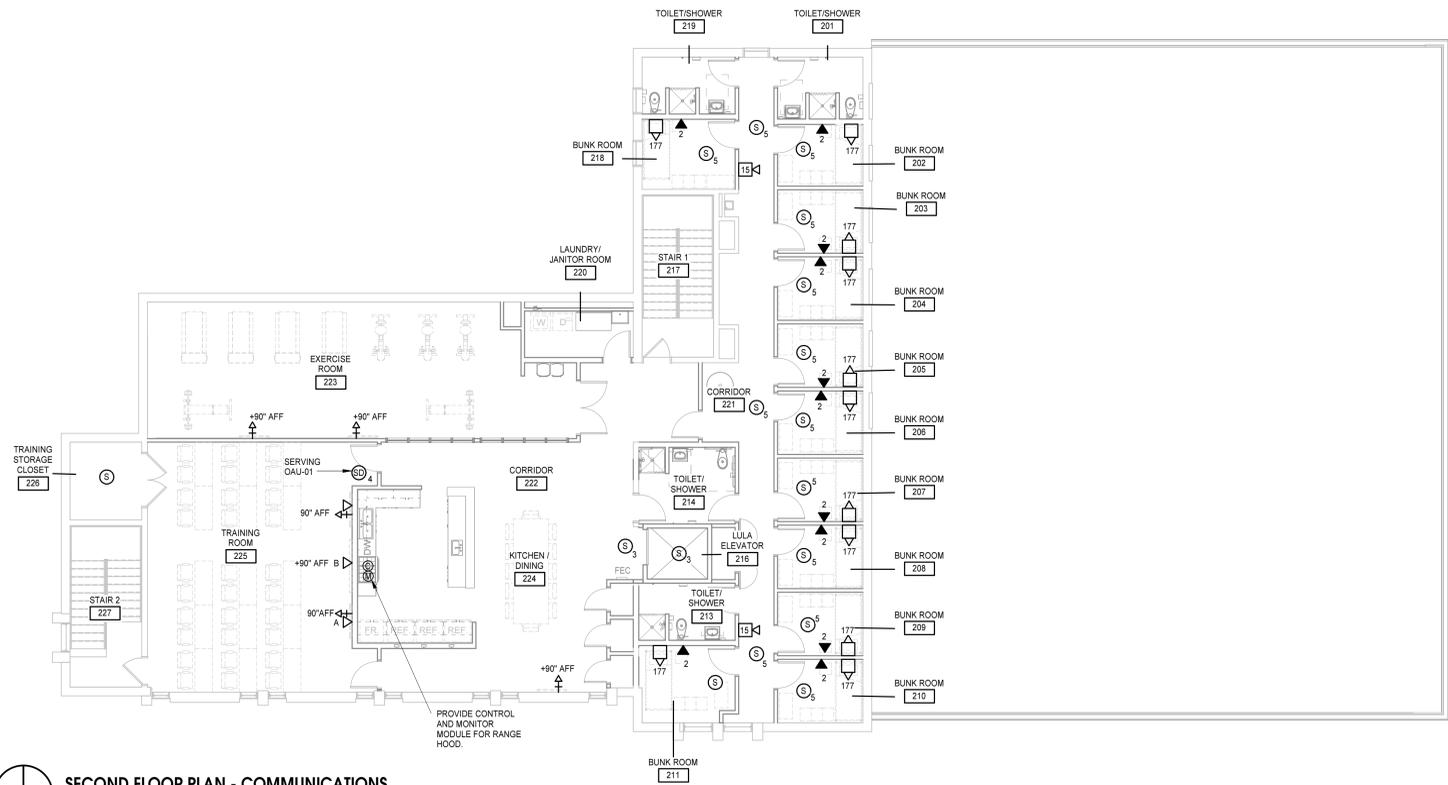
SMARTBOARD ELEVATION

WIRING AND JACKS BY OWNER. PROVIDED FOR INFORMATION ONLY.
PROVIDE RACEWAY AND JUNCTION BOXES.



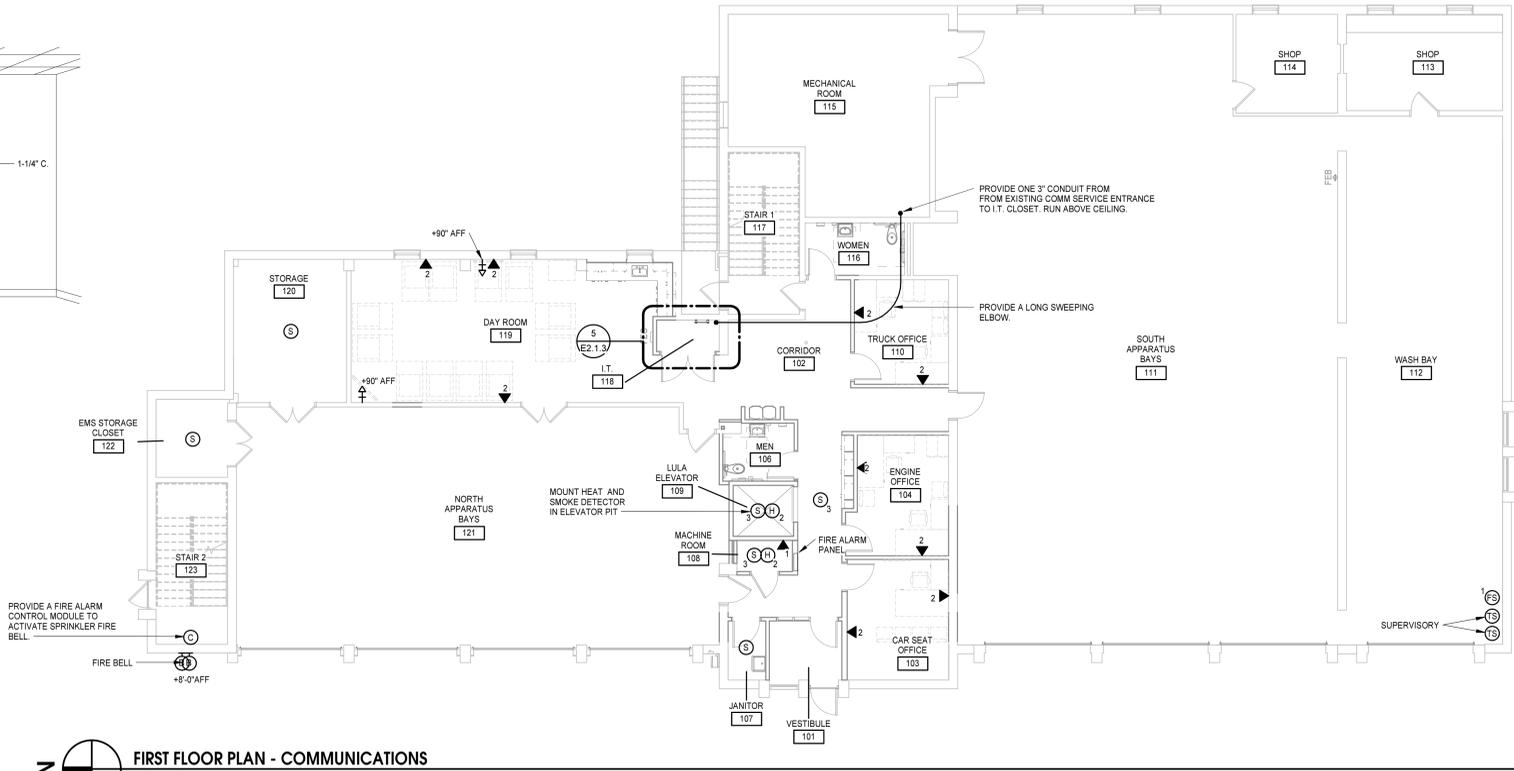
IT ROOM 118

1/4" = 1'-0"



SECOND FLOOR PLAN - COMMUNICATIONS

1/8" = 1'-0"



FIRST FLOOR PLAN - COMMUNICATIONS

1/8" = 1'-0"

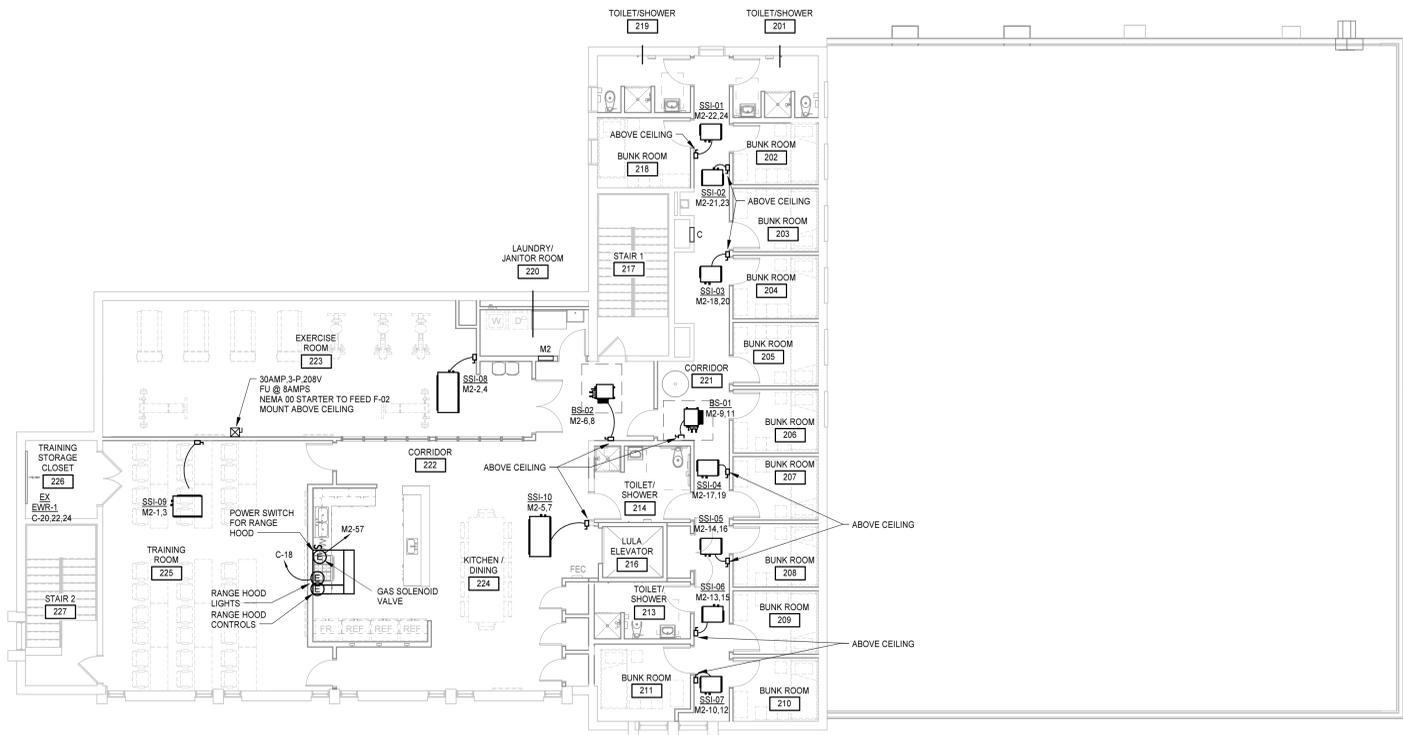


PROJECT NO:	DATE:
550358	MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION



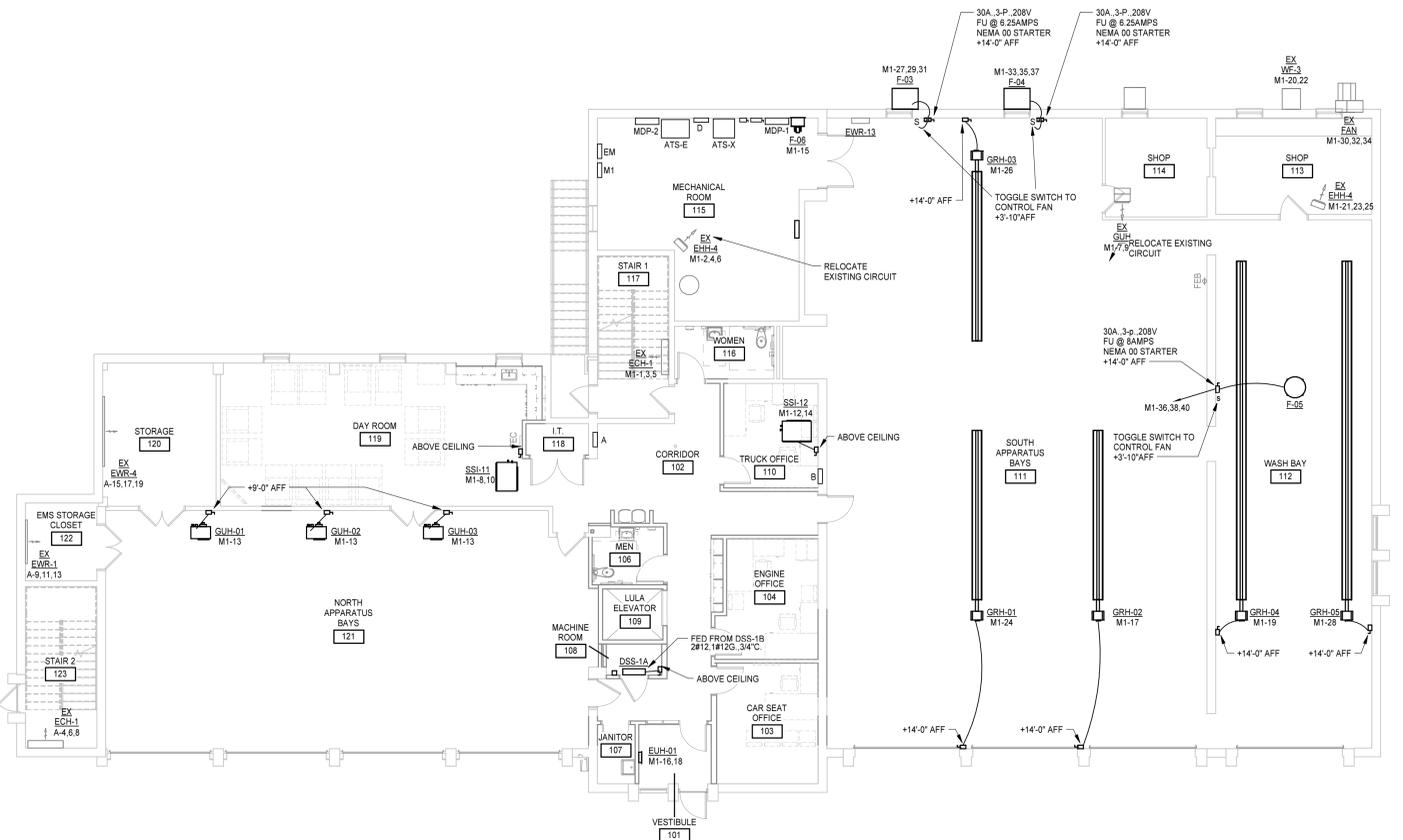
PROJECT NO:	DATE:
550358	MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

MECHANICAL POWER SCHEDULE - SECOND FLOOR										
Mark	Voltage	Number Of Poles	Motor Horsepower	Full Load Amps	Minimum Circuit Amperage	Maximum Over Current Protection	Apparent Load	Panel	Circuit Number	DISCONNECT MEANS
BS-01	208 V	2		0.6 A	0.6 A	15.0 A	0.1 KVA	M2	9,11	PROVIDE 208V, 2P, 20A NF DISCONNECT
BS-02	208 V	2		0.5 A	0.6 A	15.0 A	0.1 KVA	M2	6,8	PROVIDE 208V, 2P, 20A NF DISCONNECT
EX EWR-1	208 V	3		15.0 A	18.8 A	20.0 A	1.8 KVA	C	20,22,24	EXISTING DISCONNECT TO REMAIN
SSI-01	208 V	2		0.5 A	0.6 A	15.0 A	0.1 KVA	M2	22,24	PROVIDE 208V, 2P, 20A NF DISCONNECT
SSI-02	208 V	2		0.5 A	0.6 A	15.0 A	0.1 KVA	M2	21,23	PROVIDE 208V, 2P, 20A NF DISCONNECT
SSI-03	208 V	2		0.5 A	0.6 A	15.0 A	0.1 KVA	M2	18,20	PROVIDE 208V, 2P, 20A NF DISCONNECT
SSI-04	208 V	2		0.5 A	0.6 A	15.0 A	0.1 KVA	M2	17,19	PROVIDE 208V, 2P, 20A NF DISCONNECT
SSI-05	208 V	2		0.5 A	0.6 A	15.0 A	0.1 KVA	M2	14,16	PROVIDE 208V, 2P, 20A NF DISCONNECT
SSI-06	208 V	2		0.5 A	0.6 A	15.0 A	0.1 KVA	M2	13,15	PROVIDE 208V, 2P, 20A NF DISCONNECT
SSI-07	208 V	2		0.5 A	0.6 A	15.0 A	0.1 KVA	M2	10,12	PROVIDE 208V, 2P, 20A NF DISCONNECT
SSI-08	208 V	2		2.8 A	2.8 A	15.0 A	0.5 KVA	M2	2,4	PROVIDE 208V, 2P, 20A NF DISCONNECT
SSI-09	208 V	2		2.2 A	2.8 A	15.0 A	0.5 KVA	M2	1,3	PROVIDE 208V, 2P, 20A NF DISCONNECT
SSI-10	208 V	2		2.7 A	3.4 A	15.0 A	0.8 KVA	M2	5,7	PROVIDE 208V, 2P, 20A NF DISCONNECT



MECH POWER - SECOND FLOOR
 1/8" = 1'-0"

MECHANICAL POWER SCHEDULE - FIRST FLOOR											
Mark	Voltage	Number Of Poles	Motor Horsepower	Full Load Amps	Minimum Circuit Amperage	Maximum Over Current Protection	Apparent Load	Panel	Circuit Number	DISCONNECT MEANS	FEEDER SIZE
DSS-1A	208 V	2		1.0 A	1.2 A	10.0 A	0.2 KVA	M2	33,35	DISCONNECT	
ELUH-01	208 V	2		19.0 A	22.0 A	25.0 A	4.0 KVA	M1	16,18	PROVIDED BY DIV 23	2#10, 1#10G, .34" C.
EX ECH-1	208 V	3		27.8 A	34.7 A	35.0 A	10.0 KVA	A	4,6,8	EXISTING DISCONNECT TO REMAIN	
EX ECH-1	208 V	3		27.8 A	34.7 A	35.0 A	10.0 KVA	M1	1,3,5	EXISTING DISCONNECT TO REMAIN	
EX EHH-4	208 V	3		20.8 A	26.0 A	30.0 A	7.5 KVA	M1	21,23,25	EXISTING DISCONNECT TO REMAIN	
EX EHH-4	208 V	3		20.8 A	26.0 A	30.0 A	7.5 KVA	M1	2,4,6	EXISTING DISCONNECT TO REMAIN	
EX EWR-1	208 V	3		4.9 A	6.2 A	15.0 A	1.8 KVA	A	9,11,13	EXISTING DISCONNECT TO REMAIN	
EX EWR-4	208 V	3		8.3 A	10.4 A	15.0 A	3.0 KVA	A	15,17,19	EXISTING DISCONNECT TO REMAIN	
EX FAN	208 V	3		2.8 A	3.5 A	15.0 A	1.0 KVA	M1	30,32,34	EXISTING DISCONNECT TO REMAIN	
EX GUH	208 V	3		9.0 A	11.3 A	15.0 A	1.9 KVA	M1	7,9,11	EXISTING DISCONNECT TO REMAIN	
EX WIF-3	208 V	2		2.4 A	3.0 A	15.0 A	0.5 KVA	M1	20,22	EXISTING DISCONNECT TO REMAIN	
F-03	208 V	3	3/4	3.7 A	4.6 A	15.0 A	1.5 KVA	M1	27,29,31	PROVIDED BY DIV 23	
F-04	208 V	3	3/4	3.4 A	4.3 A	15.0 A	1.5 KVA	M1	33,35,37	PROVIDED BY DIV 23	
F-05	208 V	3	1	4.8 A	6.0 A	15.0 A	1.5 KVA	M1	36,38,40	PROVIDED BY DIV 23	
F-06	120 V	1	1/4	5.8 A	7.3 A	15.0 A	0.7 KVA	M1	15	PROVIDED BY DIV 23	
GRH-01	120 V	1		1.7 A	2.0 A	15.0 A	0.2 KVA	M1	28	PROVIDE 120V, 1P, 20A NF DISCONNECT	
GRH-02	120 V	1		1.7 A	2.0 A	15.0 A	0.2 KVA	M1	29	PROVIDE 120V, 1P, 20A NF DISCONNECT	
GRH-03	120 V	1		1.7 A	2.0 A	15.0 A	0.2 KVA	M1	30	PROVIDE 120V, 1P, 20A NF DISCONNECT	
GRH-04	120 V	1		1.7 A	2.0 A	15.0 A	0.2 KVA	M1	31	PROVIDE 120V, 1P, 20A NF DISCONNECT	
GRH-05	120 V	1		1.7 A	2.0 A	15.0 A	0.2 KVA	M1	32	PROVIDE 120V, 1P, 20A NF DISCONNECT	
GUH-01	120 V	1	1/20	2.7 A	1.0 A	1.8 A	0.3 KVA	M1	13	PROVIDE 120V, 1P, 20A NF DISCONNECT	
GUH-02	120 V	1	1/20	2.7 A	1.0 A	1.8 A	0.3 KVA	M1	13	PROVIDE 120V, 1P, 20A NF DISCONNECT	
GUH-03	120 V	1	1/20	2.7 A	1.0 A	1.8 A	0.3 KVA	M1	13	PROVIDE 120V, 1P, 20A NF DISCONNECT	
GUH-02	120 V	1	1/20	2.7 A	1.0 A	1.8 A	0.3 KVA	M1	13	PROVIDE 120V, 1P, 20A NF DISCONNECT	
SSI-11	208 V	2		1.4 A	1.8 A	15.0 A	0.3 KVA	M1	8,10	PROVIDE 208V, 2P, 20A NF DISCONNECT	
SSI-12	208 V	2		1.4 A	1.8 A	15.0 A	0.3 KVA	M1	12,14	PROVIDE 208V, 2P, 20A NF DISCONNECT	

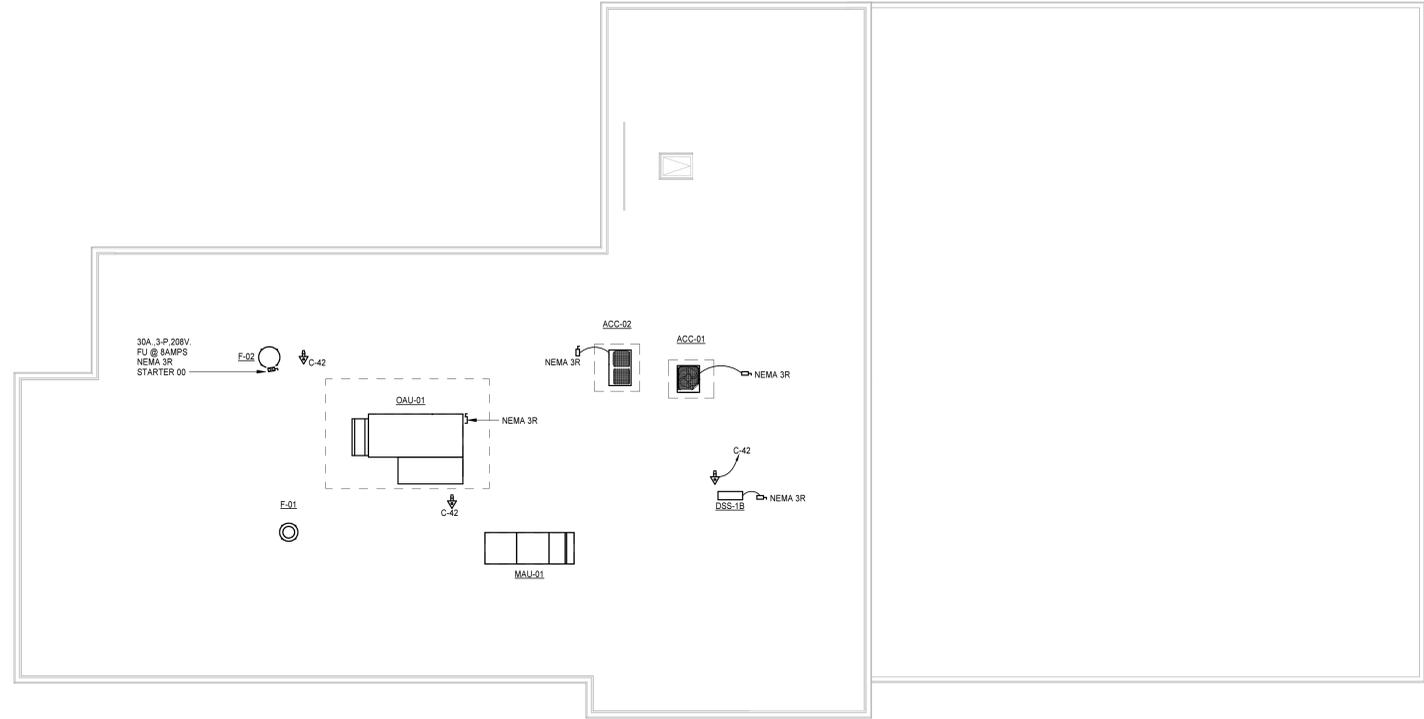


MECH POWER - FIRST FLOOR
 1/8" = 1'-0"



MECHANICAL POWER SCHEDULE - ROOF

Mark	Voltage	Number Of Poles	Motor Horsepower	Full Load Amps	Minimum Circuit Amperage	Maximum Over Current Protection	Apparent Load	Panel	Circuit Number	DISCONNECT MEANS	FEEDER SIZE
ACC-01	208 V	3			30.2 A	35.0 A			38,40,42	PROVIDE 208V, 3P, 60A DISC SW., FU @ 35AMPS	3#8, 1#10G, 3/4"
ACC-02	208 V	3			43.0 A	50.0 A	7.2 KVA	M2	37,39,41	PROVIDE 208V, 3P, 60A DISC SW., FU @ 50AMPS	3#8, 1#10G, 3/4"
DSS-1B	208 V	2			15.0 A	20.0 A	2.5 KVA	M2	33,35	PROVIDE 208V, 2P, 20A NF DISCONNECT	
F-01	120 V	1	1/2	7.2 A	9.0 A	15.0 A	1.2 KVA	M2	25	PROVIDED BY DIV 23	
F-02	208 V	3	3/4	3.7 A	4.6 A	15.0 A	1.4 KVA	M2	32,34,36	PROVIDED BY DIV 23	
MAU-01	208 V	3	1/3	3.2 A	2.9 A	15.0 A	1.2 KVA	M2	26,28,30	PROVIDED BY DIV 23	
OAU-01	208 V	3		52.0 A	58.0 A	70.0 A	18.7 KVA	M2	27,29,31	PROVIDE 208V, 3P, 100A DISC SW., FU @ 70AMPS	3#4, 1#8G, 1"

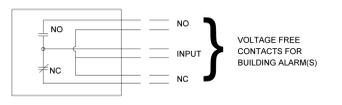


ROOF - MECHANICAL POWER
 1/8" = 1'-0"

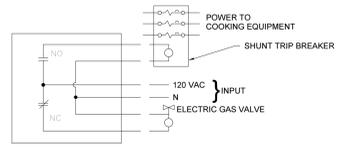
PROJECT NO.	DATE
550358	MARCH 4, 2016
REVISIONS	DESCRIPTION

ROOF PLAN - POWER

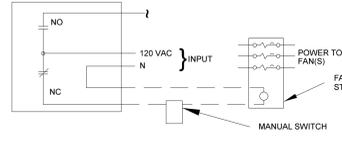
CONNECTION TO BUILDINGS ALARM



CONNECTION TO COOKING EQUIPMENT SHUT DOWN

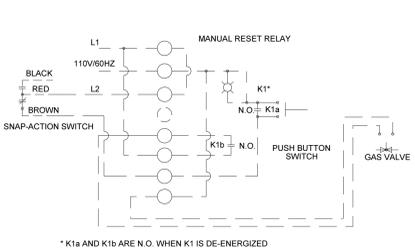


CONNECTION TO FAN SHUT DOWN

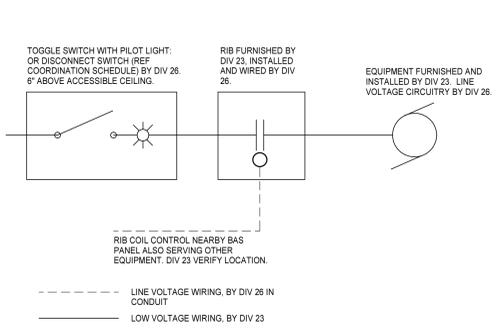


10 GAS VALVE SHUTOFF WIRING
 NO SCALE

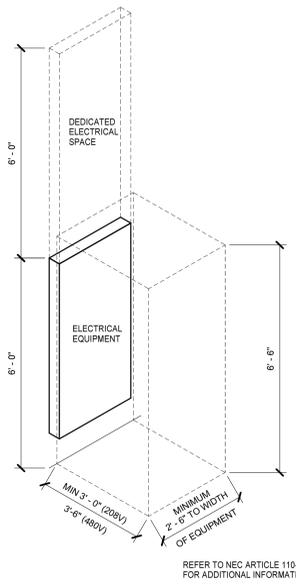
ELECTRICAL SHUT OFF AND CONNECTION TO COOKING EQUIPMENT SHUT DOWN



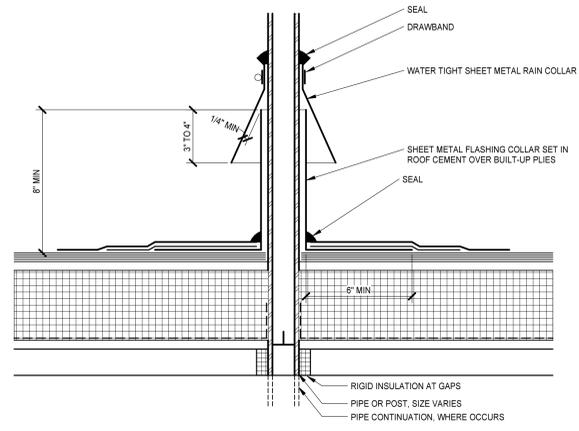
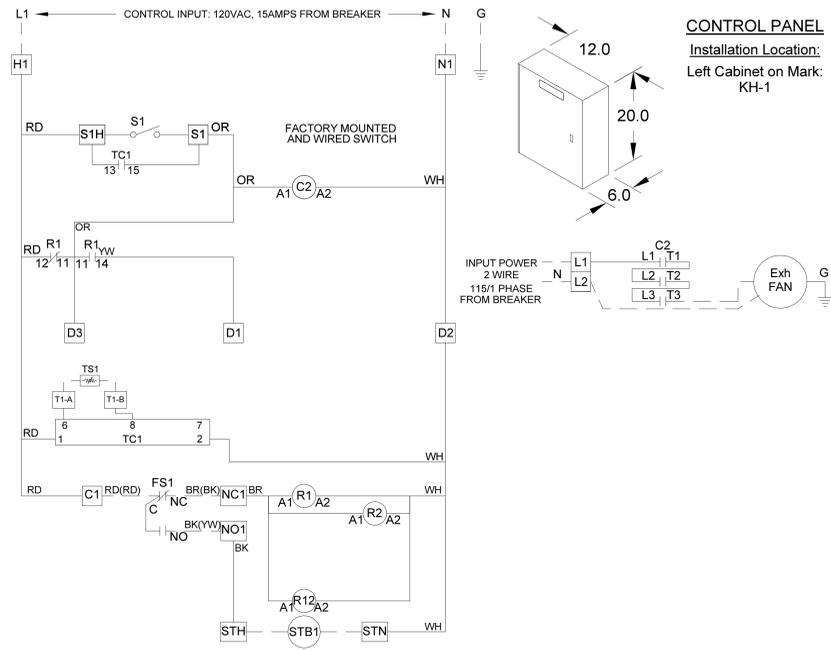
TELECOMMUNICATIONS OUTLET CONDUIT DETAIL



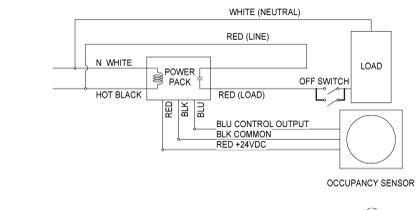
EQUIPMENT CLEARANCES
 NO SCALE



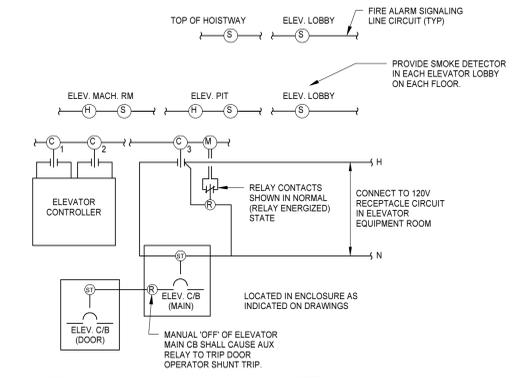
TYPICAL EXHAUST FAN CONNECTION DIAGRAM



ROOF PENETRATION DETAIL
 NO SCALE

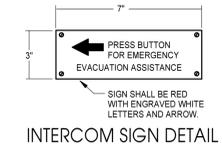


OCCUPANCY SENSOR DIAGRAM

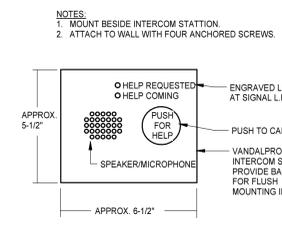


- LEGEND**
- |— NORMALLY OPEN CONTACT
 - |/— NORMALLY CLOSED CONTACT
 - (C) FIRE ALARM ADDRESSABLE CONTROL MODULE
 - (M) FIRE ALARM ADDRESSABLE MONITOR MODULE
 - (R) RELAY
 - (S) SMOKE DETECTOR FOR ELEVATOR RECALL
 - (H) HEAT DETECTOR (FOR SHUNT TRIP)
- NOTES:**
- AN ALARM SIGNAL FROM A SMOKE DETECTOR IN THE ELEVATOR HOISTWAY, MACHINE ROOM, OR ELEVATOR LOBBY (OTHER THAN AT THE PRIMARY RECALL LEVEL) SHALL ACTIVATE THE FIRST ELEVATOR CONTROL MODULE (C).
 - AN ALARM SIGNAL FROM A SMOKE DETECTOR IN THE ELEVATOR LOBBY AT THE PRIMARY RECALL LEVEL SHALL ACTIVATE THE SECOND ELEVATOR CONTROL MODULE (C).
 - AN ALARM SIGNAL FROM A HEAT DETECTOR OR FLOW SWITCH SERVING THE ELEVATOR HOISTWAY OR MACHINE ROOM SHALL ACTIVATE THE SHUNT TRIP CONTROL MODULE (C).
 - CAUSING THE ELEVATOR MAIN CIRCUIT BREAKER TO OPEN.
 - LOSS OF CONTROL POWER TO THE SHUNT TRIP BREAKER SHALL OPEN THE RELAY CONTACTS AND INITIATE A SUPERVISORY SIGNAL ON THE FIRE ALARM SYSTEM.
 - FIRE ALARM CONTROL AND MONITOR MODULES SHALL BE MOUNTED WITHIN 36" OF THE EQUIPMENT CONTROLLED OR MONITORED.
 - A HEAT DETECTOR FOR ELEVATOR SHUNT TRIP SHALL BE PROVIDED WITHIN 24" OF EACH SPRINKLER IN THE ELEVATOR HOISTWAY AND MACHINE ROOM.

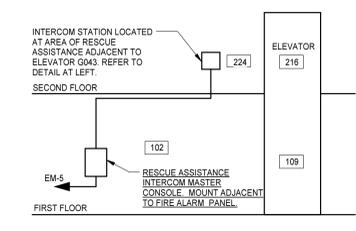
ELEVATOR RECALL & SHUNT TRIP DIAGRAM
 NO SCALE



INTERCOM SIGN DETAIL



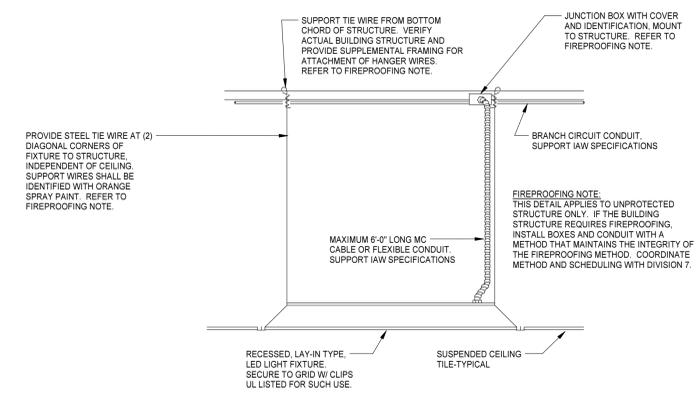
INTERCOM STATION DETAIL



RESCUE ASSISTANCE INTERCOM SYSTEM

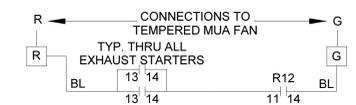
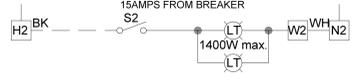
- NOTES:**
- ALL WIRING SHALL BE INSTALLED IN CONDUIT.
 - CONDUIT SHALL BE A MINIMUM OF 3/4" BUT SHALL BE INCREASED TO ACCOMMODATE THE ACTUAL NUMBER OF CONDUCTORS.
 - COORDINATE EXACT LOCATION OF AREAS OF RESCUE ASSISTANCE WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.

ELEVATOR RESCUE ASSISTANCE INTERCOM
 NO SCALE



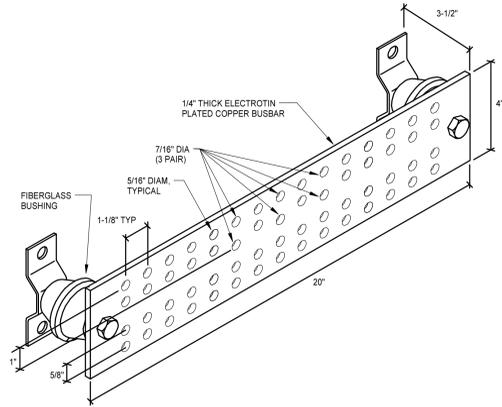
RECESSED, LAY-IN, LED LIGHT FIXTURE MOUNTING DETAIL
 NO SCALE

Switches Mounting - Utility Cabinet - Left End of Hood



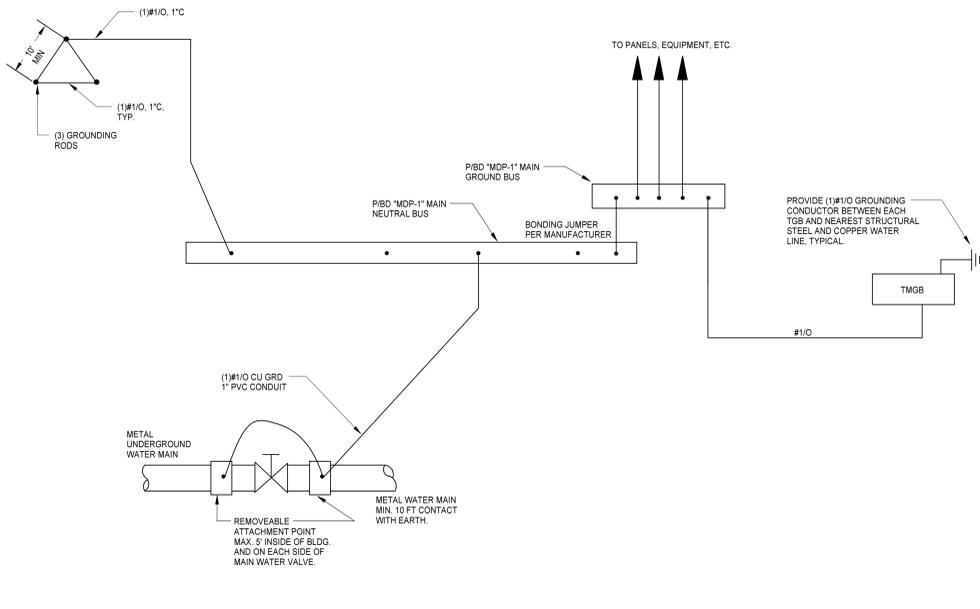
KITCHEN HOOD CONTROL DETAIL

- TEMPERATURE INTERLOCK CALIBRATION**
- PRESS THE SET BUTTON TO SEE THE FIRST SET POINT. (PRESS THE SET BUTTON TWICE, SLOWLY TO SEE THE SECOND SET POINT)
 - PRESS THE UP/DOWN ARROW BUTTON TO CHANGE THE SET POINT.
 - PRESS THE SET BUTTON TO VIEW THE CURRENT TEMPERATURE.
 - CHECK SYSTEM OPERATION BEFORE MAKING ADDITIONAL ADJUSTMENTS

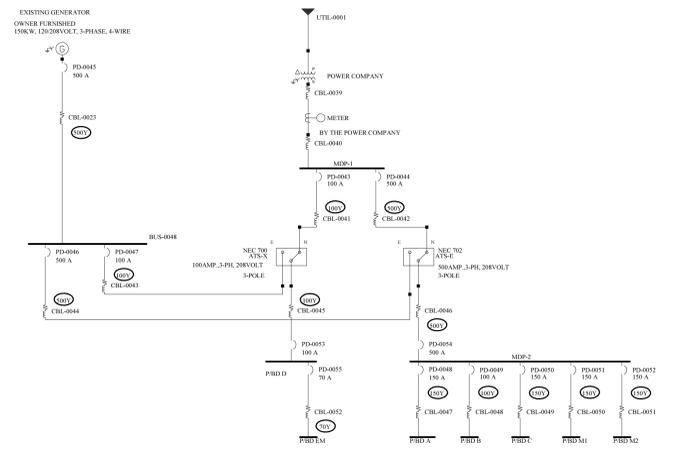


TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) DETAIL

	CONTROL UNIT ANNUNCIATION							NOTIFICATION / ACTION								
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	S
1 SMOKE DETECTOR	X	X	X					X	X	X	X	X				
2 SMOKE DETECTOR - ELEVATOR FUNCTION	X	X	X					X	X	X	X	X			X	
3 HEAT DETECTOR - ELEVATOR FUNCTION	X	X	X					X	X	X	X	X			X	
4 DUCT SMOKE DETECTOR	X	X	X					X	X	X	X	X				X
5 HEAT DETECTOR	X	X	X					X	X	X	X	X				
6 SPRINKLER VALVE TAMPER SWITCH				X	X			X	X	X	X	X				
7 WATERFLOW - SPRINKLER	X	X						X	X	X	X	X			X	X
7 MONITOR MODULE - ELEVATOR SHUNT POWER FAULT				X	X			X	X	X	X	X				
8 MONITOR MODULE - GENERATOR FAILURE				X	X			X	X	X	X	X				
9 MONITOR MODULE - GENERATOR RUN						X	X	X		X	X	X				
10 FIRE ALARM AC POWER FAILURE						X	X	X		X	X	X			X	
11 FIRE ALARM SYSTEM LOW BATTERY						X	X	X		X	X	X			X	
12 FIRE ALARM OPEN CIRCUIT						X	X	X		X	X	X			X	
13 FIRE ALARM GROUND FAULT						X	X	X		X	X	X			X	
14 FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT SHORT						X	X	X		X	X	X			X	



GROUNDING SYSTEM DIAGRAM



ONE-LINE DIAGRAM

LOAD SHEDDING
 WHEN A POWER FAILURE OCCURS, THE TRANSFER SWITCH SHALL SHUNT CIRCUITS MDP-14, 16, 18, M2-37, 39, 41 AND M2-38, 40, 41.

COPPER FEEDER SCHEDULE									
FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE	FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE		
30	1	3#10 #10 G	3/4"	30V	1	4#10 #10 G	3/4"		
35	1	3#8 #10 G	3/4"	35V	1	4#8 #10 G	3/4"		
40	1	3#8 #10 G	3/4"	40V	1	4#8 #10 G	3/4"		
45	1	3#8 #10 G	1"	45V	1	4#8 #10 G	1"		
50	1	3#8 #10 G	1"	50V	1	4#8 #10 G	1"		
60	1	3#4 #10 G	1"	60V	1	4#4 #10 G	1"		
70	1	3#4 #8 G	1 1/4"	70V	1	4#4 #8 G	1 1/4"		
80	1	3#3 #8 G	1 1/4"	80V	1	4#3 #8 G	1 1/4"		
90	1	3#2 #8 G	1 1/4"	90V	1	4#2 #8 G	1 1/4"		
100	1	3#1 #8 G	1 1/4"	100V	1	4#1 #8 G	1 1/4"		
110	1	3#2 #6 G	1 1/2"	110V	1	4#2 #6 G	1 1/2"		
125	1	3#1 #6 G	1 1/2"	125V	1	4#1 #6 G	1 1/2"		
150	1	3#1/0 #6 G	2"	150V	1	4#1/0 #6 G	2"		
175	1	3#2/0 #6 G	2"	175V	1	4#2/0 #6 G	2"		
200	1	3#3/0 #6 G	2"	200V	1	4#3/0 #6 G	2"		
225	1	3#4/0 #4 G	2 1/2"	225V	1	4#4/0 #4 G	2 1/2"		
250	1	3-250CM #4 G	2 1/2"	250V	1	4-250CM #4 G	2 1/2"		
300	1	3-350CM #4 G	2 1/2"	300V	1	4-350CM #4 G	2 1/2"		
350	2	3#2/0 #3 G	2"	350V	2	4#2/0 #3 G	2"		
400	1	3-500CM #3 G	4"	400V	1	4-500CM #3 G	4"		
450	2	3#4/0 #2 G	2 1/2"	450V	2	4#4/0 #2 G	2 1/2"		
500	2	3-250CM #2 G	2 1/2"	500V	2	4-250CM #2 G	2 1/2"		
600	2	3-350CM #1 G	3"	600V	2	4-350CM #1 G	3"		
700	2	3-500CM #1/0 G	4"	700V	2	4-500CM #1/0 G	4"		
800	2	3-600CM #1/0 G	4"	800V	2	4-600CM #1/0 G	4"		
1000	3	3-500CM #1/0 G	4"	1000V	3	4-500CM #1/0 G	4"		
1200	4	3-350CM #3/0 G	3"	1200V	4	4-350CM #3/0 G	3"		
1600	4	3-600CM #4/0 G	4"	1600V	4	4-600CM #4/0 G	4"		
2000	5	3-600CM #350 G	4"	2000V	5	4-600CM #250 G	4"		
2500	6	3-600CM #350 G	4"	2500V	6	4-600CM #3/0 G	4"		

NOTES:
 1. ELECTRICAL CONTRACTOR TO VERIFY CONDUIT SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.
 2. FEEDER SIZES BASED ON TABLE 310.15(B)(16)
 3. SIZES ADJUSTED PER NEC 110.14



PROJECT NO:	DATE:
550358	MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION



PROJECT NO:	DATE:
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REVISIONS	
DATE	DESCRIPTION

PANELBOARD SCHEDULE MDP1										
		LOCATION: MECHANICAL ROOM 115			FED FROM: MDP1					
		MOUNT: SURFACE			PANEL ASSEMBLY RATED (KAIC): 22 KAIC					
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1				1.9	60.0					2
3	100 A	3	P/BD D		2.1	53.7				4
5										6
7				0.0	0.0		3.7	59.6		8
8										9
13				0.0	0.0		0.0	0.0		10
15										11
17										12
19				0.0	0.0		0.0	0.0		13
21										14
23										15
				62 kVA	56 kVA	83 kVA				
				523 A	465 A	535 A				
S.E. RATED										
Load Classification				Connected Load	Demand Factor	Estimated Demand	Panel Totals			
INTERIOR LIGHTING				5467 VA	100.00%	5467 VA	Total Conn. Load: 188.0 kVA			
EXTERIOR LIGHTING				0 VA	0.00%	0 VA	Total Est. Demand: 178.6 kVA			
RECEPTACLES				28400 VA	67.61%	19200 VA	Total Conn. Current: 522 A			
AC / HEAT PUMP				5600 VA	100.00%	5600 VA	Total Est. Demand: 499 A			
ELECTRIC HEAT				47370 VA	100.00%	47370 VA				
KITCHEN				6300 VA	65.00%	4095 VA				
MISCELLANEOUS				74189 VA	100.00%	74189 VA				

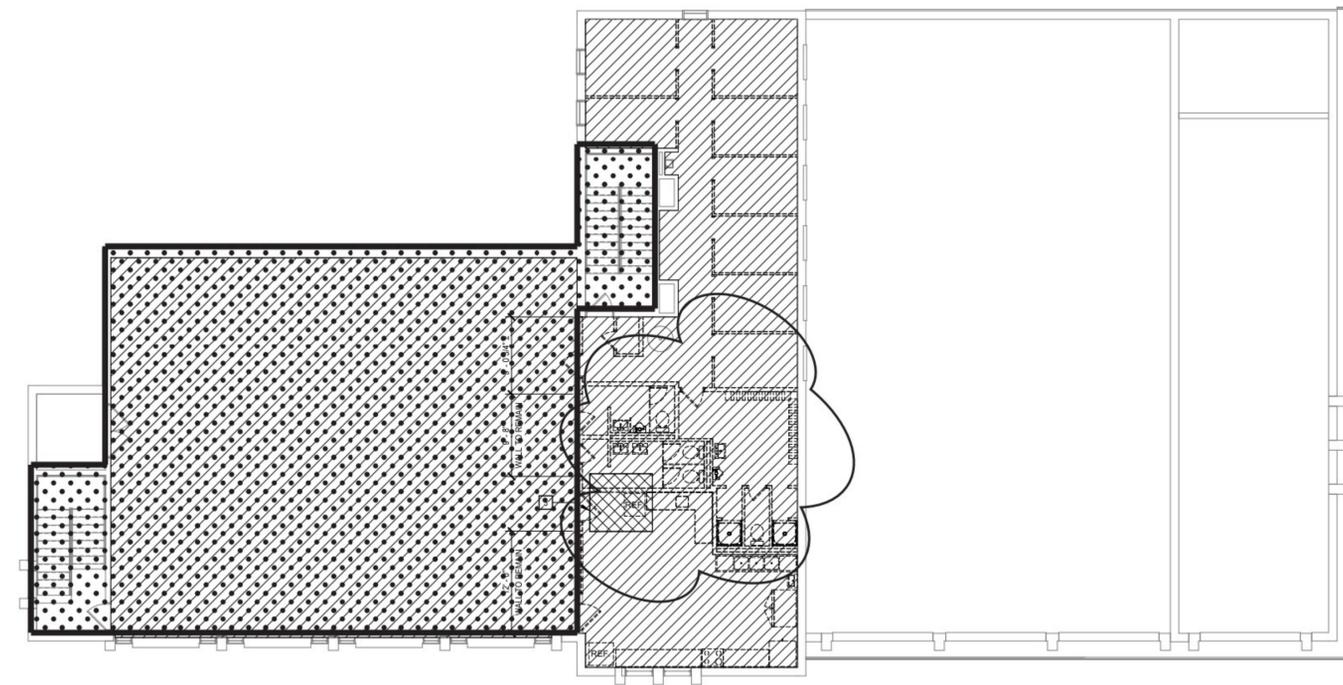
PANELBOARD SCHEDULE MDP2										
		LOCATION: MECHANICAL ROOM 115			FED FROM: MDP1					
		MOUNT: SURFACE			PANEL ASSEMBLY RATED (KAIC): 22 KAIC					
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1				7.2	5.8					2
3	150 A	3	P/BD A		6.9	1.9				4
5							8.9	1.6		6
7				8.9	12.3					8
9	150 A	3	P/BD C		7.5	13.4				10
13				15.1	5.7		11.2	12.8		12
15	150 A	3	P/BD M2		14.4	5.7				14
19				0.0	6.4		13.8	5.7		16
21	80 A	3	SPD			0.0	5.0			18
23				0.0	0.0		0.0	6.8		20
25										22
27				0.0	0.0		0.0	0.0		24
29							0.0	0.0		26
31				0.0	0.0		0.0	0.0		28
33							0.0	0.0		30
35				0.0	0.0		0.0	0.0		32
37							0.0	0.0		34
39				0.0	0.0		0.0	0.0		36
41							0.0	0.0		38
				61 kVA	55 kVA	61 kVA				
				519 A	456 A	513 A				
SHT TRIP - DENOTES SHUNT TRIP CIRCUIT BREAKER										
Load Classification				Connected Load	Demand Factor	Estimated Demand	Panel Totals			
INTERIOR LIGHTING				2182 VA	100.00%	2182 VA	Total Conn. Load: 180.4 kVA			
EXTERIOR LIGHTING				0 VA	0.00%	0 VA	Total Est. Demand: 169.0 kVA			
RECEPTACLES				28400 VA	67.61%	19200 VA	Total Conn. Current: 501 A			
AC / HEAT PUMP				5600 VA	100.00%	5600 VA	Total Est. Demand: 499 A			
ELECTRIC HEAT				47370 VA	100.00%	47370 VA				
KITCHEN				6300 VA	65.00%	4095 VA				
MISCELLANEOUS				69889 VA	100.00%	69889 VA				

PANELBOARD SCHEDULE M2										
		LOCATION: LAUNDRY			FED FROM: MDP2					
		MOUNT: RECESSED			PANEL ASSEMBLY RATED (KAIC): 22 KAIC					
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1				0.3	0.3					2
3	15 A	2	SSI-09		0.3	0.3				4
5	15 A	2	SSI-11		0.3	0.1	0.3	0.1		6
7										8
9	15 A	2	BS-01		0.1	0.1				10
11	15 A	2	SSI-08		0.1	0.1		0.1	0.1	12
13										14
15	15 A	2	SSI-04		0.1	0.1		0.1	0.1	16
17	15 A	2	SSI-04		0.1	0.1		0.1	0.1	18
19				0.1	0.1		0.1	0.1		20
21	15 A	2	SSI-02		0.1	0.1		0.1	0.1	22
23							0.1	0.1		24
25	20 A	1	FAN F-01		1.2	0.4				26
27							6.2	0.4		28
29	70 A	3	OAU-01				6.2	0.4		30
31				6.2	0.5		1.4	0.5		32
33							1.4	0.5		34
35	20 A	2	DSS-1B		2.4	1.7				36
37				2.4	1.7		2.4	1.7		38
39	80 A	3	ACC-02 SHT TRIP		2.4	1.7		2.4	1.7	40
41							2.4	1.7		42
43	20 A	1	REC TRAINING ROOM 225		0.4	0.2				44
45	20 A	1	REC EXERCISE ROOM 223			0.2	0.2			46
47	20 A	1	REC EXERCISE ROOM 223			0.2	0.2			48
49	20 A	1	REC EXERCISE ROOM 223		0.2	0.2				50
51	20 A	1	REC EXERCISE ROOM 223			0.2	0.2			52
53	20 A	1	REC EXERCISE ROOM 223			0.2	0.2			54
55	20 A	1	DISPOSAL		1.0	0.0				56
57	20 A	1	GAS SOLENOID VALVE			0.5	0.0			58
59						0.0	0.0			60
				15 kVA	15 kVA	14 kVA				
				128 A	122 A	116 A				
SHT TRIP - SHUNT TRIP CIRCUIT BREAKER										
Load Classification				Connected Load	Demand Factor	Estimated Demand	Panel Totals			
INTERIOR LIGHTING				0 VA	0.00%	0 VA	Total Conn. Load: 43.7 kVA			
EXTERIOR LIGHTING				0 VA	0.00%	0 VA	Total Est. Demand: 43.7 kVA			
RECEPTACLES				2340 VA	100.00%	2340 VA	Total Conn. Current: 121 A			
AC / HEAT PUMP				5000 VA	100.00%	5000 VA	Total Est. Demand: 121 A			
ELECTRIC HEAT				0 VA	0.00%	0 VA				
KITCHEN				0 VA	0.00%	0 VA				
MISCELLANEOUS				22844 VA	100.00%	22844 VA				

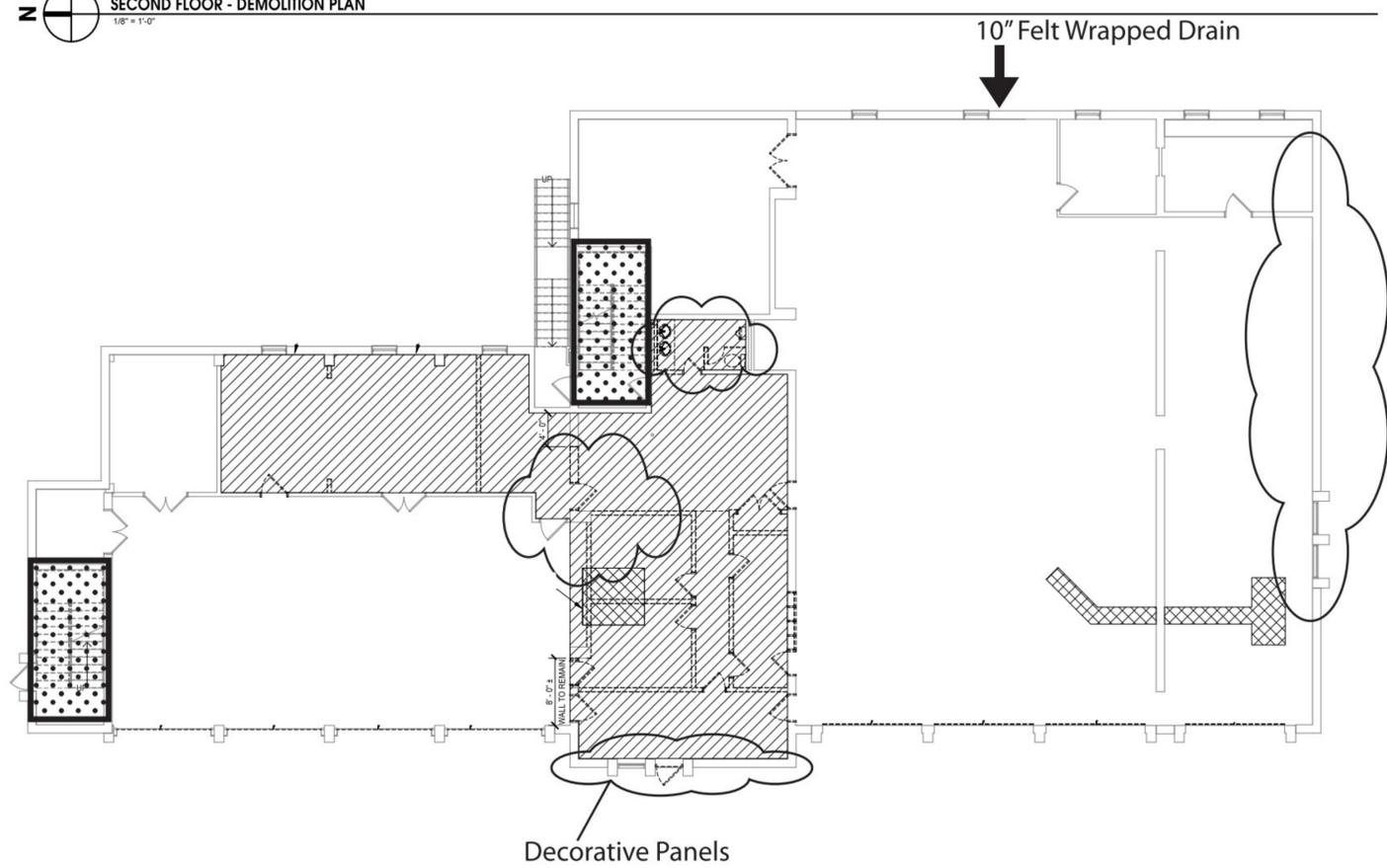
PANELBOARD SCHEDULE A										
		LOCATION: CORRIDOR			FED FROM: MDP2					
		MOUNT: RECESSED			PANEL ASSEMBLY RATED (KAIC): 22 KAIC					
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1	20 A	1	LYG BAY 121 & STORAGE	0.1	0.4					2
3						0.0	3.3			4
5	20 A	1	REC STORAGE CLOSET 120			0.4	3.3			6
7				0.0	3.3					8
9						0.6	0.5			10
13	20 A	3	EMWR-1 CLOSET 122	0.6	0.0		0.6	0.0		14
15						1.0	0.0			16
17						1.0	0.0			18
19	20 A	3	EMWR-4 STORAGE 120	1.0	0.0		1.0	0.0		20
21	20 A	1	REC MECH ROOM 115		0.4	0.9				22
23	20 A	1	REC OFFICE 103 & 104		0.9	1.3		2.0	1.6	24
25	20 A	1	REC BAY 121							26
27	20 A	1	EXTERIOR BELL STAIR 123			0.5	0.0			28
29	20 A	1	EMWC CORRIDOR 102 - GFI		0.0	0.0		0.5	0.0	30
31										32
33						0.0	0.0			34
35				0.0	0.0		0.0	0.0		36
37						0.0	0.0			38
39						0.0	0.0			40
41						0.0	0.0			42
				8 kVA	7 kVA	8 kVA				
				63 A	60 A	79 A				
GFI - DENOTES GROUND FAULT CIRCUIT BREAKER										
Load Classification				Connected Load	Demand Factor	Estimated Demand	Panel Totals			
INTERIOR LIGHTING				450 VA	100.00%	450 VA	Total Conn. Load: 24.1 kVA			
EXTERIOR LIGHTING				0 VA	0.00%	0 VA	Total Est. Demand: 24.1 kVA			
RECEPTACLES				7920 VA	100.00%	7920 VA	Total Conn. Current: 67 A			
AC / HEAT PUMP				0 VA	0.00%	0 VA	Total Est. Demand: 67 A			
ELECTRIC HEAT				14750 VA	100.00%	14750 VA				
KITCHEN				0 VA	0.00%	0 VA				
MISCELLANEOUS				1000 VA	100.00%	1000 VA				

PANELBOARD SCHEDULE C										
		LOCATION: CORRIDOR			FED FROM: MDP2					
		MOUNT: RECESSED			PANEL ASSEMBLY RATED (KAIC): 22 KAIC					
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1	20 A	1	KITCHEN RECEPTACLE	0.2	0.2					2
3					0.2	0.0				4
5	20 A	1	KITCHEN RECEPTACLE4			0.2	0.0			6
7	20 A	1	EX REC RM 211 & CORR 221	0.4	0.0		0.2	0.5		8
9	20 A	1	EX REC RM 209				1.2	1.5		10
11	15 A	1	DISHWASHER KITCHEN 224 - GFI				0.2	0.5		12
13				0.0	0.4					14
15						0.0	1.3			16
17	20 A	1	EMWC CORRIDOR 221		0.0	0.6		0.2	0.5	18
19				0.0	0.6		0.0	0.6		20
21	20 A	1	REC RM 202-208 & 218, CORR 221			0.2	0.6			22
23	20 A	1	REC RM 201, 202, 218, & 219	0.7	1.4					24
25	20 A	1	REC RM 203-208		1.1	0.2		2.5	0.0	26
27	20 A	1	REC RM 203-208							28
29										30
31	30 A	2	DRYER		2.5	0.7				32
33	20 A	1	REFRIGERATOR - GFI			1.2	1.2			34
35	20 A	1	REFRIGERATOR - GFI			1.2	1.2			36
37	20 A	1	REC ROOM 222 & 225	1.6	0.4		0.9	0.3		38
39	20 A	1	RECEPTACLES ROOM 224, 222			0.9	0.3			40
41	20 A	1	MICROWAVE KITCHEN 224 - GFI			1.5	0.5			42
				9 kVA	8 kVA	11 kVA				
				77 A	63 A	96 A				
GFI - DENOTES GROUND FAULT CIRCUIT BREAKER SHT TRIP - DENOTES SHUNT TRIP CIRCUIT BREAKER										
Load Classification				Connected Load	Demand Factor	Estimated Demand	Panel Totals			
INTERIOR LIGHTING				25 VA	100.00%	25 VA	Total Conn. Load: 27.9 kVA			
EXTERIOR LIGHTING				0 VA	0.00%	0 VA	Total Est. Demand: 28.8 kVA			
RECEPTACLES				13800 VA	68.23%	11600 VA	Total Conn. Current: 77 A			
AC / HEAT PUMP				0 VA	0.00%	0 VA	Total Est. Demand: 66 A			
ELECTRIC HEAT				1750 VA	100.00%	1750 VA				
KITCHEN				6300 VA	65.00%	4095 VA				
MISCELLANEOUS				5992 VA						

DEMOLITION PLAN LEGEND	
APPLIES TO DRAWINGS A1.2.1 - A1.2.2	
	EXISTING PARTITION WALL / ITEM TO REMAIN
	EXISTING PARTITION WALL / ITEM TO BE REMOVED; PREPARE ADJACENT SURFACES TO RECEIVE NEW WORK
	REMOVE EXISTING DOOR AND FRAME ASSEMBLY INCLUDING DOOR HARDWARE, ANCHORS, AND THRESHOLD (WHERE OCCURS)
	REMOVE EXISTING PLUMBING FIXTURE. REFER TO PLUMBING DEMOLITION PLAN FOR ADDITIONAL INFORMATION
	SLAB TO BE DEMOLISHED
	REMOVE FLOOR FINISHES, CEILINGS (INCLUDING BATT INSULATION ABOVE CEILINGS)



SECOND FLOOR - DEMOLITION PLAN
1/8" = 1'-0"



FIRST FLOOR - DEMOLITION PLAN
1/8" = 1'-0"

Legend

- Floor Tile & Mastic Non-Friable
- Glove Bag when not in Containment

HARRISONBURG FIRE STATION #1

CITY OF HARRISONBURG, VIRGINIA
80 MARYLAND AVE, HARRISONBURG, VIRGINIA 22801

PROJECT NO.	DATE
550355	MARCH 4, 2016
REVISIONS	
DATE	DESCRIPTION

Rockbridge Environmental Consulting, Inc.
22 S. Main Street
Suite B01
Lexington, VA 24450
(540) 463-3336

ACM
LOCATION
PLANS

AB.1