

Branch Panel: C (EXISTING)
 Location: CORRIDOR 397
 Supply From: -
 Mounting: RECESSED
 Enclosure: TYPE 1
 Volts: 208Y/120
 Phases: 3
 Wires: 4
 K.A.I.C. Rating: -
 Mains Type: MCB
 Mains Rating: 100A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	LIGHTS CHAPEL 149	20 A	1	0.0	0.0		1	20 A	LTS AND RECEPMS RM 349-GHEF	2	
3	RM 149 UNIT HEATERS & S & W RECEPMS	20 A	1		0.0	0.0	1	20 A	LTS AND RECEPMS RM 351-ABH	4	
5	HALL LIGHTS	20 A	1			0.0	0.0	1	20 A	LTS AND RECEPMS RM 351F	6
7	RM 349F RECEPMS	20 A	1	0.0	0.0		1	20 A	RM 350 AND DRINKING FOUNTAIN	8	
9	SPARE	20 A	1		0.0	0.0	1	20 A	RM 348 RECEPMS WEST WALL AND HALL	10	
11	CHAPEL LIGHTS EAST BANK	20 A	1			0.0	0.0	1	20 A	RM 351A, B RECEPMS	12
13	RM 351 B.K. LIGHTS	20 A	1	0.0	0.0		1	20 A	RM 348 RECEPMS	14	
15	SPARE	20 A	1		0.0	0.0	1	20 A	RM 348 RECEPMS	16	
17	LIGHTS RM 346D, F RM 347B, RM 348 E	20 A	1			0.0	0.0	1	20 A	RM 348 RECEPMS	18
19	RM 348F RECEPMS	20 A	1	0.0	0.0		1	20 A	SPARE	20	
21	RM 346 RECEPMS	20 A	1		0.0	0.0	1	20 A	SPARE	22	
23	RM 351B RECEPMS	20 A	1			0.0	0.0	1	20 A	SPARE	24
25	RM 351K RECEPMS	20 A	1	0.0	0.0		1	20 A	TREADMILL RM 348	26	
27	RM 351K RECEPMS	20 A	1		0.0	0.0	1	20 A	TREADMILL RM 348	28	
29	SPARE	20 A	1			0.0	0.0	1	20 A	SPARE	30
31	SPARE	20 A	1	0.0	0.0		1	20 A	SPARE	32	
33	SPARE	20 A	1		0.0	0.0	1	20 A	SPARE	34	
35	SPARE	20 A	1			0.0	0.0	1	20 A	SPARE	36
37										38	
39	MAIN	100 A	3							40	
41										42	
				Total Load:	0.0 kVA	0.0 kVA	0.0 kVA				

NOTES: THE CALCULATED KVA TOTALS OF THIS PANEL ONLY REFLECT THE NEW LOAD ADDED TO THIS PANEL. EXISTING LOAD IS NOT INCLUDED IN THIS TOTAL.

Branch Panel: C (MODIFIED)
 Location: CORRIDOR 397
 Supply From: -
 Mounting: RECESSED
 Enclosure: Type 1
 Volts: 208Y/120
 Phases: 3
 Wires: 4
 K.A.I.C. Rating: -
 Mains Type: MCB
 Mains Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	RECEPMS RMS 349G & 349C	20 A	1	1.5	0.7		1	20 A	LTG RMS 349A,B,C,D,E,F,G	2	
3	RECEPMS RMS 349C & 301	20 A	1		0.8	0.7	1	20 A	LIGHTING RM 349	4	
5	RECEPMS RM 349C	20 A	1			0.8	0.0	1	20 A	SPARE	6
7	RECEPMS RMS 349E, 349F, EXT.	20 A	1	1.5	0.0		1	20 A	EWG RM 350	8	
9	RECEPMS RMS 349E, 349C, 349	20 A	1		1.2	0.0	1	20 A	RECEPMS RM 348	10	
11	RECEPMS RMS 349B, 349C	20 A	1			1.0	0.4	1	20 A	LIGHTING CORRIDOR 397	12
13	RECEPMS RMS 349B, 349	20 A	1	0.9	0.0		1	20 A	RECEPMS RM 348	14	
15	AV EQUIP 349D	20 A	1		0.6	0.0	1	20 A	RECEPMS RM 348	16	
17	AV EQUIP 349D	20 A	1			0.4	0.0	1	20 A	RECEPMS RM 348	18
19	RECEPMS RM 349	20 A	1	0.9	0.8		1	20 A	RECEPMS RMS 348B & 348C	20	
21	RECEPMS RM 348F	20 A	1		0.0	0.0	1	20 A	SPARE	22	
23	RECEPMS RM 346	20 A	1			0.0	0.0	1	20 A	SPARE	24
25	RECEPMS RMS 348B, 349	20 A	1	0.0	0.0		1	20 A	TREADMILL RM 348	26	
27	RECEPMS RMS 348A, 349	20 A	1		1.0	0.0	1	20 A	TREADMILL RM 348	28	
29	VAV'S & H-1, H-2	20 A	1			0.1	0.0	--	SPARE	30	
31	SPARE	--	--	0.0	0.0		--	--	SPARE	32	
33	SPARE	--	--		0.0	0.0	--	--	SPARE	34	
35	SPARE	--	--			0.0	0.0	--	SPARE	36	
37										38	
39	MAIN	100 A	3							40	
41										42	
				Total Load:	6.4 kVA	4.2 kVA	2.6 kVA				

NOTES: THE CALCULATED KVA TOTALS OF THIS PANEL ONLY REFLECT THE NEW LOAD ADDED TO THIS PANEL. EXISTING LOAD IS NOT INCLUDED IN THIS TOTAL.

Branch Panel: P5 (EXISTING)
 Location: MECH 350
 Supply From: -
 Mounting: SURFACE
 Enclosure: TYPE 1
 Volts: 208Y/120
 Phases: 3
 Wires: 4
 K.A.I.C. Rating: -
 Mains Type: MCB
 Mains Rating: 100A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1				0.0	0.0					2	
3	3 W AIR COND. OUTSIDE UNIT	100 A	3		0.0	0.0	3	60 A	ELEVATOR	4	
5						0.0	0.0			6	
7	SPARE	20 A	1	0.0	0.0		1	20 A	CATHOLIC CHAPLAIN'S OFFICE CO.	8	
9	AIR HANDLER	15 A	2		0.0	0.0	1	20 A	JOHNSON CONTROL PANEL RM 348	10	
11						0.0	0.0	1	20 A	ROBOT	12
13	CHAPEL AIR COND.	60 A	2	0.0	0.0		3	20 A	3 W RETURN FAN	14	
15					0.0	0.0				16	
17	SPACE	20 A	1			0.0	0.0	1	20 A	SPACE	18
19	SPACE	20 A	1	0.0	0.0		1	20 A	SPACE	20	
21	SPACE	20 A	1		0.0	0.0	1	20 A	SPACE	22	
23	SPACE	20 A	1			0.0	0.0	1	20 A	SPACE	24
25	SPACE	20 A	1	0.0	0.0		1	20 A	SPACE	26	
27	SPACE	20 A	1		0.0	0.0	3	30 A	3 W AHU RM 348	28	
29	SPACE	20 A	1			0.0	0.0			30	
				Total Load:	0.0 kVA	0.0 kVA	0.0 kVA				

NOTES: THE CALCULATED KVA TOTALS OF THIS PANEL ONLY REFLECT THE NEW LOAD ADDED TO THIS PANEL. EXISTING LOAD IS NOT INCLUDED IN THIS TOTAL.

Branch Panel: G (EXISTING)
 Location: CORRIDOR 397
 Supply From: -
 Mounting: RECESSED
 Enclosure: TYPE 1
 Volts: 208Y/120
 Phases: 3
 Wires: 4
 K.A.I.C. Rating: -
 Mains Type: MCB
 Mains Rating: 100A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	LIGHTS RM 351	20 A	1	0.0	0.0		1	20 A	RM 351 RECEPMS SOUTH WALL	2	
3	LIGHTS 351 KBUAH	20 A	1		0.0	0.0	1	20 A	RM 351, 351K, 351U RECEPMS	4	
5	RM 351A, RM 351B RECEPMS	20 A	1			0.0	0.0	1	20 A	LIGHTS RM 351 RECEPMS REM 351E, 351K	6
7	SPARE	20 A	1	0.0	0.0		1	20 A	RM 347B RECEPMS	8	
9	SPARE	20 A	1		0.0	0.0	1	20 A	RM 346D RECEPMS	10	
11	RM 351C RECEPMS	20 A	1			0.0	0.0	1	20 A	RM 348E RECEPMS	12
13	LIGHTS RM 351C	20 A	1	0.0	0.0		1	20 A	RM 347 RECEPMS	14	
15		20 A	1		0.0	0.0	1	20 A	RM 347 RECEPMS	16	
17	LIGHTS RM 345, 346, 346A, 346B, 347	20 A	1			0.0	0.0	1	20 A	RM 347 RECEPMS	18
19	RM 347A RECEPMS	20 A	1	0.0	0.0		1	20 A	RM 345 RECEPMS	20	
21	RM 347A RECEPMS	20 A	1		0.0	0.0	1	20 A	SPARE	22	
23	SPARE	20 A	1			0.0	0.0	1	20 A	SPARE	24
25	MAIN	100 A	3							26	
29										30	
				Total Load:	0.0 kVA	0.0 kVA					

NOTES: THE CALCULATED KVA TOTALS OF THIS PANEL ONLY REFLECT THE NEW LOAD ADDED TO THIS PANEL. EXISTING LOAD IS NOT INCLUDED IN THIS TOTAL.

Branch Panel: G (MODIFIED)
 Location: CORRIDOR 397
 Supply From: -
 Mounting: RECESSED
 Enclosure: Type 1
 Volts: 208Y/120
 Phases: 3
 Wires: 4
 K.A.I.C. Rating: -
 Mains Type: MCB
 Mains Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	RECEPMS RM 351G	20 A	1	1.7	2.8		1	20 A	RECEPMS RMS 351B,351C,349H	2	
3	RECEPMS RM 351F	20 A	1		1.1	1.2	1	20 A	RECEPMS RMS 351A,351B,349H	4	
5	RECEPMS RMS 351 & 351E	20 A	1			1.1	0.8	1	20 A	LTG RMS 351,351C,351D	6
7	RECEPMS RMS 351,351C,351D	20 A	1	1.7	0.0		1	20 A	RECEPMS RM 347B	8	
9	RECEPMS RM 351	20 A	1		0.8	0.0	1	20 A	RECEPMS RM 346D	10	
11	REFRIGERATOR RM 351C	20 A	1			1.2	0.0	1	20 A	RECEPMS RM 348E	12
13	RECEPMS RM 351C	20 A	1	0.4	0.0		1	20 A	RECEPMS RM 347	14	
15	MICROWAVE RM 351C	20 A	1		0.2	0.0	1	20 A	RECEPMS RM 347	16	
17	LTG RMS 345,346,346A,346B,347	20 A	1			0.0	0.0	1	20 A	RECEPMS RM 347	18
19	RECEPMS RM 347A	20 A	1	0.0	0.0		1	20 A	RECEPMS RM 345	20	
21	RECEPMS RM 347A	20 A	1		0.0	0.0	1	20 A	SPARE	22	
23	SPACE	--	--			0.0	0.0	--	SPARE	24	
25				0.0	0.0					26	
27	MAIN	100 A	3			0.0	0.0	--	SPARE	28	
29								--	SPARE	30	
				Total Load:	6.6 kVA	3.2 kVA	3.1 kVA				

NOTES: THE CALCULATED KVA TOTALS OF THIS PANEL ONLY REFLECT THE NEW LOAD ADDED TO THIS PANEL. EXISTING LOAD IS NOT INCLUDED IN THIS TOTAL.

Branch Panel: P5 (MODIFIED)
 Location: ELEV. EQUIP. 350
 Supply From: -
 Mounting: Surface
 Enclosure: Type 1
 Volts: 208Y/120
 Phases: 3
 Wires: 4
 K.A.I.C. Rating: -
 Mains Type: MCB
 Mains Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1				0.0	0.0					2	
3	SPARE	100 A	3		0.0	0.0	3	60 A	ELEVATOR	4	
5						0.0	0.0			6	
7	SPARE	20 A	1	0.0	0.0		1	20 A	SPARE	8	
9	SPARE	15 A	2		0.0	0.0	1	20 A	JOHNSON CONTROL PANEL RM 348	10	
11						0.0	0.0	1	20 A	ROBOT	12
13	SPACE	60 A	2	0.0	0.0		3	20 A	SPACE	14	
15					0.0	0.0				16	
17	SPACE	--	--	12.3	0.0		--	--	SPACE	18	
19						0.0	0.0			20	
21	RTU-1 (ON ROOF)	150 A	3		12.3	0.0	--	--	SPACE	22	
23							12.3	0.0	--	SPACE	24
25	SPACE	--	--	0.0	0.0		--	--	SPACE	26	
27	SPACE	--	--			0.0	0.0	3	30 A	SPACE	28
29	SPACE	--	--							30	
				Total Load:	12.3 kVA	12.3 kVA	0.0 kVA				

NOTES: THE CALCULATED KVA TOTALS OF THIS PANEL ONLY REFLECT THE NEW LOAD ADDED TO THIS PANEL. EXISTING LOAD IS NOT INCLUDED IN THIS TOTAL.

Branch Panel: P3 (EXISTING)
 Location: 5TH FLOOR MECHANICAL
 Supply From: -
 Mounting: SURFACE
 Enclosure: TYPE 1
 Volts: 208Y/120
 Phases: 3
 Wires: 4
 K.A.I.C. Rating: -
 Mains Type: MCB
 Mains Rating: 225A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1				0.0	0.0					2
3	AIR HANDLER	60 A	3		0.0	0.0	3	30 A	CHAPEL EXHAUST FAN	4
5						0.0	0.0			6
7	REHEAT ATTIC	20 A	3	0.0	0.0		3	20 A	ATTIC REHEAT	8
9	REHEAT ATTIC	20 A	3		0.0	0.0	3	20 A	ATTIC REHEAT	10
11						0.0	0.0			12
13	REHEAT	20 A	3	0.0	0.0		3	20 A	ATTIC REHEAT	14
15	REHEAT	20 A	3		0.0	0.0	3	20 A	ATTIC REHEAT	16
17						0.0	0.0			18
19	REHEAT	20 A	3	0.0	0.0		3	20 A	ATTIC REHEAT	20
21	REHEAT	20 A	3		0.0	0.0	3	20 A	ATTIC REHEAT	22
23						0.0	0.0			24
25	OUTDOOR OUTLET	20 A	1	0.0	0.0		1	20 A	FIRE DAMPER	26
27	JOHNSON CONTROLS PANEL	20 A	1		0.0	0.0	1	20 A	SPARE	28
29						0.0	0.0			30
31	EXHAUST/RELIEF FAN	15 A	3	0.0	0.0		1	20 A	SPACE	32
33					0.0	0.0	1	20 A	SPACE	

PROJECT SPRINKLER NOTES

- SPRINKLER CONTRACTOR SHALL SECURE AND PAY FOR ALL FEES AND PERMITS ASSOCIATED WITH HIS PORTION OF THE WORK.
- THESE WORK PLANS TO BE CONSIDERED AS DIAGRAMMATIC AND REFLECT A GENERAL ORDER OF MAGNITUDE. FINAL DESIGN, HYDRAULIC CALCULATIONS AND ALL ELEMENTS NECESSARY FOR A COMPLETE SYSTEM ARE THE RESPONSIBILITY OF THE PROJECT SPRINKLER CONTRACTOR. ALL WORK SHALL CONFORM TO THE NATIONAL FIRE CODES (NFC), NFPA 13, NFPA 101, THE VA FIRE PROTECTION DESIGN MANUAL AND ADDITIONAL REFERENCED CODES AND STANDARDS.
- SPRINKLER CONTRACTOR TO VERIFY LOCATION, SIZE AND PRESSURES OF SPRINKLER SERVICE PRIOR TO COMMENCING SPRINKLER SYSTEM INSTALLATION.
- SPRINKLER MAIN PIPE SIZE AND ARRANGEMENT ARE APPROXIMATE. SPRINKLER CONTRACTOR SHALL PERFORM FLOW AND PRESSURE TESTS AND DETERMINE REQUIRED PIPE AND TRIM SIZES BY HYDRAULIC CALCULATIONS AS NOTED IN THE SPECIFICATION DESIGN CRITERIA AND IN ACCORDANCE WITH NFPA 13.
- SPRINKLER CONTRACTOR SHALL LOCATE SPRINKLER SYSTEM PIPING AS HIGH AS POSSIBLE AND SLOPE BRANCH PIPING BACK TO MAIN OR AUXILIARY DRAIN. BRANCH PIPING DROPS TO SPRINKLERS SHALL AVOID CONFLICTS WITH EXISTING CONDITIONS, WASTE PIPING, DUCTWORK, HVAC EQUIPMENT, LIGHTS, ACCESSORIES, ELECTRICAL EQUIPMENT AND OTHER PIPING AND SHALL CONFORM TO DESIGN CRITERIA.
- IN GENERAL ALL GENERAL PURPOSE ROOMS, OFFICE AND PUBLIC AREAS ARE TO BE LIGHT HAZARD CLASSIFICATION. MECHANICAL ROOMS, JANITORS STORAGE CLOSETS AND STORAGE AREAS SHALL BE CLASSIFIED AS ORDINARY HAZARD GROUP 1.
- WHERE LAY-IN TILE CEILING ARE PROVIDED, SPRINKLER LAYOUT SHALL BE SUCH THAT THE INSTALLATION OF SPRINKLERS SHALL BE ALIGNED IN EACH DIRECTION, AND SPRINKLERS SHALL BE CENTERED IN THE CEILING TILES UNLESS NOTED OTHERWISE.
- HVAC LIGHTING AND PITCHED PIPING SYSTEM INSTALLATIONS SHALL TAKE PRECEDENCE OVER SPRINKLER PIPE AND DEVICE ROUTING AND LOCATIONS. SPRINKLERS SHALL NOT BE LOCATED BELOW HVAC VAV BOXES DUE TO MAINTENANCE ACCESS REQUIREMENTS.
- SPRINKLERS SHALL BE LOCATED IN SUCH A MANNER AS TO PROVIDE COMPLETE COVERAGE. BOTH ABOVE AND BELOW OPEN CEILING AND BULKHEADS. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL CEILING INFORMATION, INCLUDING TYPES AND ELEVATIONS. SPRINKLERS ARE ONLY PERMITTED TO BE OMITTED IN CONCEALED SPACES IN ACCORDANCE WITH NFPA 13.
- PROVIDE ADDITIONAL SPRINKLERS UNDER ALL OBSTRUCTIONS EXCEEDING 48" ACROSS OR CUMULATIVE OF 48" ACROSS (I.E. DUCTWORK, SOUND ATTENUATION TREATMENT, CEILING TREATMENTS AND ETC).
- SPRINKLER PIPING ROUTED THROUGH FINISHED AREAS WITH CEILING SHALL BE CONCEALED ABOVE CEILING OR IN FURRED-OUT WALL (I.E. GENERAL SPRINKLER PIPING, INSPECTOR'S TEST, DRAINS, AND ETC) SPRINKLER PIPING SHALL BE PAINTED TO MATCH SURROUNDING SURFACES IN FINISHED AREAS, COORDINATE WITH GENERAL CONTRACTOR AS NECESSARY.
- SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WALL/FLOOR/CEILING CUTTING AND PATCHING REQUIRED FOR THIS TRADE WORK. FINAL FINISH SHALL BE BY GENERAL CONTRACTOR. NOTE: SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL RATED ASSEMBLIES. ALL RATED PENETRATIONS SHALL BE FIRESTOPPED TO ORIGINAL OR NEWLY SPECIFIED ASSEMBLY RATING.
- SPRINKLER PIPES AND MISCELLANEOUS PENETRATIONS THROUGH ACOUSTIC RATED PARTITIONS AND SMOKE/FIRE BARRIERS (INCL. WALLS AND CEILING) SHALL BE FIRESTOPPED AND/OR HAVE ACOUSTIC SEALANT ALL AROUND (MEETING THE REQUIREMENTS OF THE ORIGINAL ASSEMBLY RATING) TO MAINTAIN THE INTEGRITY OF THAT BARRIER. PROVIDE ESCUTCHEONS ON EACH SIDE OF PENETRATION IN FINISHED AREAS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL RATED ASSEMBLY LOCATIONS.
- ALL PIPING, VALVES AND APPURTENANCES SHALL BE INSTALLED SUCH AS NOT TO OBSTRUCT ANY PORTION OF WINDOWS, DOORWAYS, PASSAGEWAYS, OR ACCESS TO VARIOUS EQUIPMENT, ETC.
- SPRINKLER CONTRACTOR SHALL COORDINATE ALL ASPECTS OF WORK WITH OTHER TRADES PRIOR TO CONSTRUCTION/INSTALLATION.
- SPRINKLER SYSTEM PIPING SYSTEMS SHALL BE PROVIDED WITH ALL NECESSARY SUPPORTS, REINFORCEMENT, WALL BRACKETS, AIR GAP FITTING AND APPURTENANCES.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY INTERFACE WIRING AND MONITORING MODULES REQUIRED BETWEEN THE SUPERVISORY SWITCHES, FLOW SWITCHES, ALARM DEVICES, STROBES AND THE FIRE ALARM PANEL. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL INTERFACE TERMINALS AS PART OF THE FIRE ALARM SYSTEM AS REQUIRED TO PROVIDE THE SPECIFIED NOTIFICATION. SPRINKLER CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR AND THE FIRE ALARM PROVIDER PRIOR TO PURCHASE OF SPRINKLER SYSTEM ALARM DEVICES.
- SPRINKLER PIPING SHALL BE ROUTED AS HIGH AS POSSIBLE. WHERE CONFLICTS WITH OTHER TRADES ARE ENCOUNTERED DUE TO PIPE ROUTING BEING OTHER THAN AS HIGH AS POSSIBLE, SPRINKLER PIPE RELOCATION SHALL BE AT THE EXPENSE OF THE SPRINKLER CONTRACTOR. SUSPEND PIPING FROM STRUCTURAL FRAMING MEMBERS AND STRUCTURAL WALLS ONLY.
- SPRINKLER DROPS SHALL BE OF A LENGTH WHICH WILL ALLOW FIELD TRIMMING, AS NECESSARY TO ACCOMMODATE FIELD ADJUSTMENT OF CEILING AS CONDITIONS DICTATE.
- WHEN THE SMALL ROOM RULE OR WHERE REMOTE AREA REDUCTION WITH QUICK RESPONSE SPRINKLERS IS UTILIZED (PER THE ACCEPTANCE OF THE AHJ), THE CONTRACTOR SHALL PROVIDE CLEAR NOTATION OF APPLICATION ON THE SUBMITTED CONTRACTOR WORKING DRAWINGS.
- IN VISUALLY EXPOSED FINISHED AREAS, PROVIDE CHROME PLATED ESCUTCHEONS ON EACH SIDE OF WALL & FLOOR PIPE PENETRATIONS. FINISH EXCEPTION - ESCUTCHEONS SHALL BE BLACK IN AREAS WITH A BLACK FINISH AND WHITE IN AREAS WITH WHITE FINISH, ETC. SEE SPECIFICATIONS FOR OTHER SPECIALTY AREAS.
- GENERAL CONTRACTOR SHALL PAINT ALL VISUALLY EXPOSED SPRINKLER PIPING, HANGERS AND APPURTENANCES TO MATCH THE EXPOSED STRUCTURE, UPPER DECK AND WALLS WHERE SPRINKLER SYSTEM IS ROUTED IN THESE AREAS. SPRINKLER CONTRACTOR SHALL PROTECT ALL SPRINKLERS AND DEVICES FROM PAINT AND POSSIBLE DAMAGE. COORDINATE WITH GENERAL CONTRACTOR.
- INSTALL SPRINKLER WIRE GUARDS IN MECHANICAL ROOMS AND STORAGE ROOM AND MISCELLANEOUS AREAS WHERE PENDENT AND UPRIGHT SPRINKLERS ARE SUBJECT TO DAMAGE.
- PROTECT OWNER FIXTURES AND PROPERTY FROM DISCOLORED WATER ORIGINATING FROM SYSTEM FLOW TESTS, WHERE OWNER FIXTURES AND PROPERTY IS ADVERSELY AFFECTED BY FLOW TEST. CONTRACTOR SHALL CLEAN / RETURN PROPERTY TO ORIGINAL CONDITION.
- WHEN A CONFLICT BETWEEN PLANS, SPECIFICATIONS AND / OR NOTES OCCURS, THE ENGINEER SHALL DECIDE WHICH GOVERNS. GENERALLY, THE MORE RESTRICTIVE, MORE SPECIFIC, OR STRICTER PROVISION SHALL GOVERN. IF ANY DISCREPANCIES ARE DISCOVERED ON THE PLANS OR BETWEEN THE PLANS, NOTES AND THE SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OBTAIN CLARIFICATION OF THE INTENT FROM THE ENGINEER PRIOR TO CONSTRUCTION OR INSTALLATION OF PROPOSED IMPROVEMENTS.
- SPRINKLER CONTRACTOR SHALL MAKE ALL NECESSARY PLAN SUBMITTALS TO REGIONAL FIRE MARSHAL, LOCAL FIRE DEPARTMENT AND THE ARCHITECT ENGINEER.
- SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION IN REGARDS TO THE WET PIPE FIRE PROTECTION SYSTEMS.
- SPRINKLER CONTRACTOR SHALL CONFIRM THAT A DRAIN PIPE IS PROVIDED FOR THE SECTION OF THE SPRINKLER SYSTEM MODIFIED UNDER THIS CONTRACT. DRAIN PIPE MINIMUM SIZE IS 2 INCHES AND SHALL COMPLY WITH THE V.A. FIRE PROTECTION DESIGN MANUAL AND NFPA 13. DRAIN PIPE SHALL TERMINATE AT THE BUILDING EXTERIOR OR SHALL BE CONNECTED TO THE EXISTING MAIN DRAIN FOR THE EXISTING SYSTEM. CONTRACTOR SHALL PROVIDE NEW DRAIN PIPING IF REQUIRED.
- SPRINKLER CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND HYDRAULIC CALCULATIONS IN ACCORDANCE WITH NFPA 13. LEGEND AND SYMBOLS IN COMPLIANCE WITH NFPA 170 SHALL BE USED.
- SEISMIC BRACING (EARTHQUAKE PROTECTION) IS NOT REQUIRED FOR THIS PROJECT IN ACCORDANCE WITH VA FIRE PROTECTION DESIGN MANUAL, PARAGRAPH 6.1.1 AND VA SEISMIC DESIGN REQUIREMENTS H-18-6.

APPLICABLE CODES AND STANDARDS

- VA FIRE PROTECTION DESIGN MANUAL - U.S. DEPARTMENT OF VETERANS AFFAIRS, SEVENTH EDITION (DECEMBER 2015)
- NFC - NATIONAL FIRE CODES, PUBLISHED BY NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
- NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (2016 EDITION)
- NFPA 25 - STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS (2017 EDITION)
- NFPA 101 - LIFE SAFETY CODE (2015 EDITION)
- NFPA 170 - STANDARD FOR FIRE SAFETY AND EMERGENCY SYMBOLS (2015 EDITION)

NOTE 1: FOR DESIGN FEATURES THAT ARE ADDRESSED BY BOTH THE IBC AS WELL AS BY NFPA 101 OR THE NFC, THE DOCUMENT REFERENCED BY NFPA 101 OR THE NFC SHALL BE USED EXCLUSIVELY.

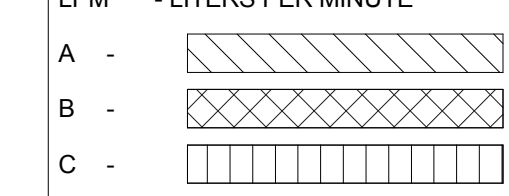
NOTE 2: FIRE PROTECTION FEATURES NOT ADDRESSED BY THE NFC OR OTHERWISE ADDRESSED IN THE VA FIRE PROTECTION DESIGN MANUAL SHALL BE DESIGNED TO COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE (IBC).

FIRE PROTECTION COVERAGE SCHEDULE

PLAN MARK	OCCUPANCY HAZARD	GROUP	AREA (SQ FT)	AREA (SQ M)	DENSITY (GPM/SQ FT)	DENSITY (LPM/SQ M)	NOTES
A	LIGHT HAZARD	-	225	20.9	.1/1500	.38/139	1,2
B	ORDINARY HAZARD	GROUP 1	130	12.1	.15/1500	.57/139	1,2
C	ORDINARY HAZARD	GROUP 2	130	12.1	.2/1500	.57/139	1,2

LEGEND:
 SQ FT - SQUARE FEET
 SQ M - SQUARE METERS
 GPM - GALLONS PER MINUTE
 LPM - LITERS PER MINUTE

- NOTES:
 1. PROVIDE QUICK RESPONSE, FACTORY MUTUAL (FM) APPROVED SPRINKLERS, EXCEPT AS NOTED IN SPECIFICATIONS.
 2. CONCEALED SPRINKLERS ARE PROHIBITED EXCEPT AS IDENTIFIED ON THE DRAWINGS FOR THE KITCHEN AREA.

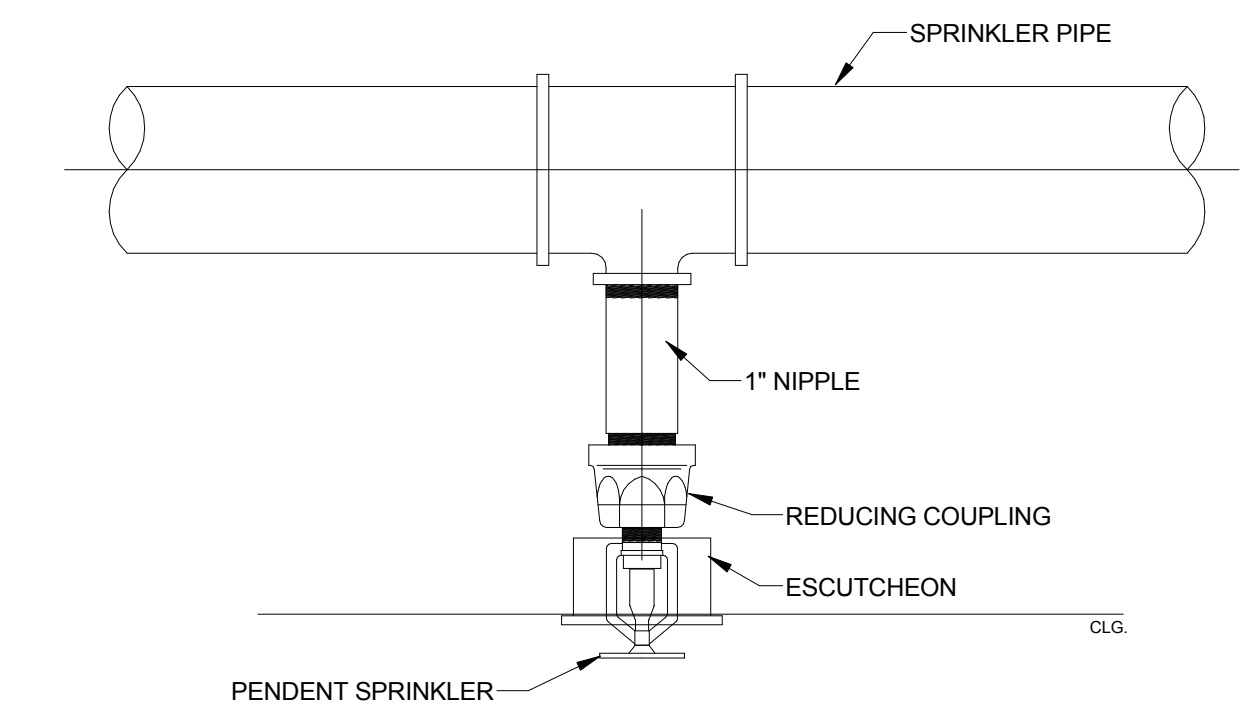


CONTRACTOR TO KEEP FIRE RATINGS IN TACT AT ALL TIMES DURING CONSTRUCTION BY PROVIDING ONE OF THE FOLLOWING SAFETY OPTIONS:

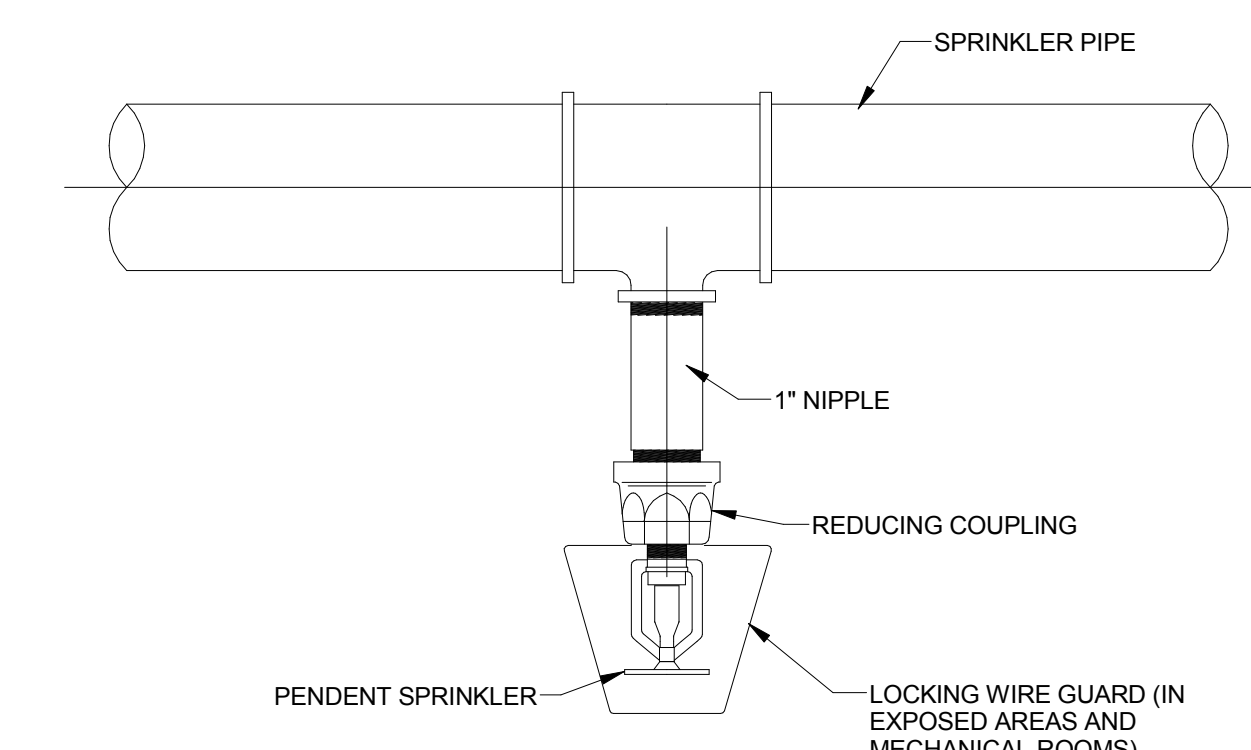
ONE - LEAVE THE EXISTING SPRINKLER SYSTEM OPERATIONAL IN THE RENOVATED AREA AND PROVIDE UPRIGHT SPRINKLER HEADS ON THE EXISTING PIPE TO PROVIDE COVERAGE IN THE AREA OF WORK PER NFPA 13 DURING CONSTRUCTION. THIS WILL LIKELY INVOLVE MOVING SPRINKLERS TO WITHIN 12 INCHES OF THE DECK ABOVE. AFTER THE NEW SPRINKLER PIPING IS INSTALLED, TESTED, AND APPROVED, THE SPRINKLERS AT THE DECK LEVEL AND THE EXISTING PIPING SHALL BE REMOVED.

OR

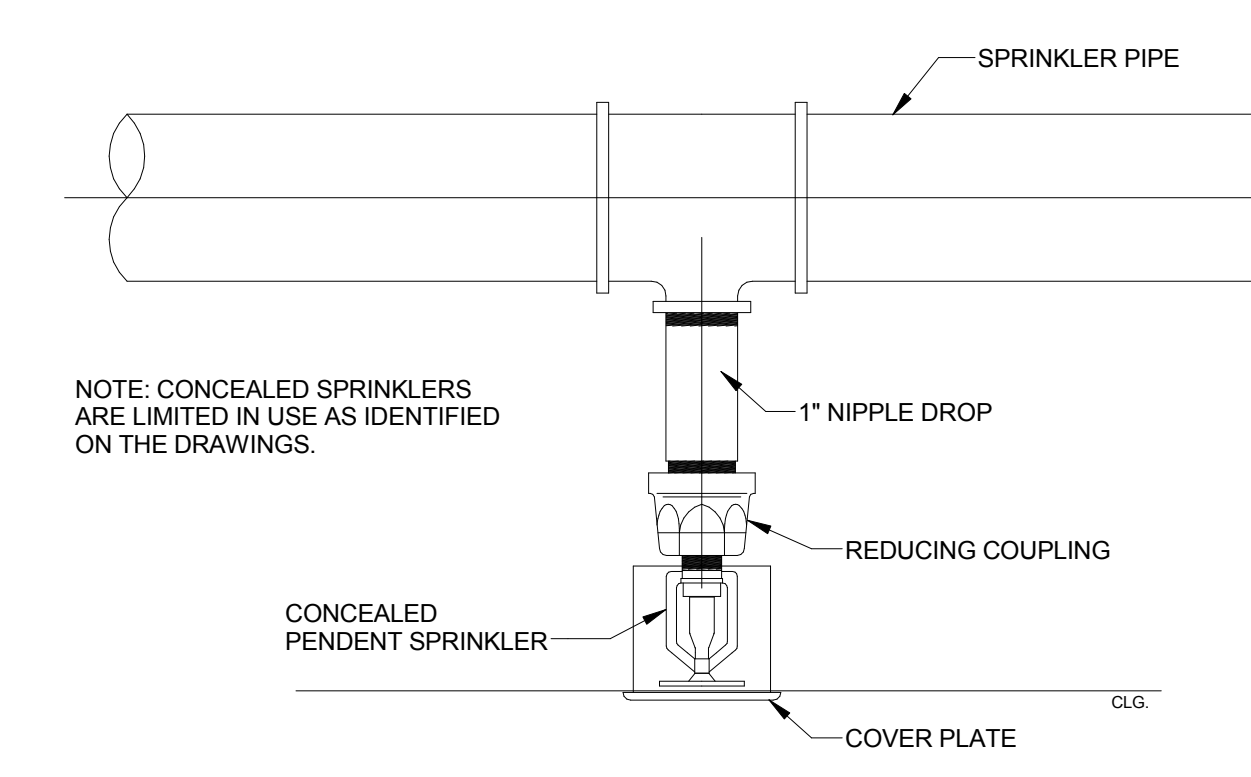
TWO - CONTRACTOR MAY SHUTDOWN THE EXISTING SPRINKLER SYSTEM IN THE AREA OF WORK PROVIDED THAT THE CONTRACTOR INSTALL A 1-HOUR FIRE-RESISTANCE RATED SEPARATION BETWEEN EVERY OCCUPIED SPACE ADJACENT TO THE CONSTRUCTION AREA. CONTRACTOR SHALL COORDINATE WITH THE VETERANS ADMINISTRATION, THE CONTRACTING OFFICER, AND THE A/E. ALL FIRE-RESISTANCE RATED SEPARATIONS SHALL COMPLY WITH NFPA 101 AND UL LISTINGS.



1 SEMI-RECESSED SPRINKLER DETAIL
 FP001 NO SCALE



2 PENDENT SPRINKLER DETAIL
 FP001 NO SCALE



3 CONCEALED SPRINKLER DETAIL
 FP001 NO SCALE

Vertical scale markers on the left side of the page, ranging from 0 to 16 feet, with labels such as 'one inch = one foot', 'one half inch = one foot', 'three quarters inch = one foot', 'one quarter inch = one foot', and 'one eighth inch = one foot'.

Revisions: 3/13/2017 8:30:06 AM C:\Local\Revit\Files\78966_Sioux Falls_VA_Change_SPC_Coverage_Schedule.dwg

ENGINEERS/CONSULTANTS:

WOOLPERT, INC. 343 FOUNTAINS PARKWAY SUITE 100 FAIRVIEW HEIGHTS, IL 62208 314-436-0865 314-436-0884 fax	SCI ENGINEERING, INC 631 FOUNTAINS PARKWAY ST. CHARLES, MO 63301 636-949-8200 636-949-8269 fax
--	--

SEAL: FINAL SUBMITTAL FOR CONSTRUCTION

ARCHITECT:

Chiodini
 ARCHITECTS

Architecture / Interior Design / Graphics
 1401 S. Brentwood Blvd. / Suite 075 / St. Louis, Missouri 63144
 314-725-5588 / arch@chiodini.com

SEAL: PROFESSIONAL ARCHITECT, STATE OF MISSOURI, LICENSE NO. 03/13/2017, EXPIRES 03/13/2021, MELISSA D. MORGAN, 060-02197, DATE OF SIGNING: EXP. 11/30/2017

Drawing Title: **FIRE PROTECTION LEGENDS, NOTES AND DETAILS**

Approved: Project Director
 Approver: _____

Project Title: VA HEALTH CARE SYSTEM

Project Number: 438-16-104 2016.052

Building Number: 5

Drawing Number: **FP001**

Location: VAS 438-16-104 BLDG. 5 CHAPEL, SIOUX FALLS, SD 57105

Date: 2017.03.13

Checked: MDM

Drawn: MFB

OWNER: _____

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

