

[illegible]

U.S. Department
of Veterans Affairs

201 BROAD ROCK BLVD., RICHMOND, VA 23249



Professional Engineer Seal for North Carolina, No. 30771, signed by J. P. George, Jr.

ARCHITECT/ENGINEERS:
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Architecture, Structural Engineer, Civil Engineer
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Interior Design
BASKERVILL
101 S. 15th Street
Suite 200
Richmond, VA 23219
Tel: 804-343-1010

CONSTRUCTION DOCUMENTS		Project Number 14.1049		Building Number #500		Office of Facilities Management	
Drawing Title MECHANICAL LEAD SHEET		Project Title EXPAND MEDICAL INTENSIVE CARE UNIT		Location H.H. MCGUIRE VAMC		Drawing Number M-001	
Approved for Design Concept DIVISION MANAGER		Date 03/01/2016		Checked By: SPG		Drawn By: ORD	
VA		U.S. Department of Veterans Affairs		VA		652-316	

CONSTRUCTION DOCUMENTS

HVAC DESIGN DATA									
DESIGN CONDITIONS		DRY BULB	WET BULB	% HUMIDITY	TEMP	DENSITY	WINTER	EXTREME WINTER DB	MAX
OUTDOOR DESIGN CONDITIONS		84.0 F	74.0 F	100	16.9 F	9.4	100	62.0 F	100.0 F
AIR SPLIT ROOM ROOM		75.0 F	68.0 F	60	70.0 F	20	20	20 F	20 F
CORRIDORS		75.0 F	68.0 F	60	70.0 F	20	20	20 F	20 F
CLEAN UTILITY / STORAGE ROOM		75.0 F	68.0 F	60	70.0 F	20	20	20 F	20 F
LOBBY		75.0 F	68.0 F	60	70.0 F	20	20	20 F	20 F
LOBBY - PLAZA (INTERIOR)		75.0 F	68.0 F	60	70.0 F	20	20	20 F	20 F
HOUSEKEEPING AND CLOSET		75.0 F	68.0 F	60	70.0 F	20	20	20 F	20 F
CONFERENCE ROOM		75.0 F	68.0 F	60	70.0 F	20	20	20 F	20 F
CONFERENCE BREAK		75.0 F	68.0 F	60	70.0 F	20	20	20 F	20 F
VESTIBULE		75.0 F	68.0 F	60	70.0 F	20	20	20 F	20 F
AIR HANDLING EQUIPMENT ROOM		84.0 F	75.0 F	60	70.0 F	20	20	20 F	20 F
OFFICE		75.0 F	68.0 F	60	70.0 F	20	20	20 F	20 F
PATIENT BEDROOMS		75.0 F	68.0 F	60	70.0 F	20	20	20 F	20 F
NURSE STATION		75.0 F	68.0 F	60	70.0 F	20	20	20 F	20 F

HVAC DESIGN DATA

- | | |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | REMOVE EXISTING MATERIAL CAREFULLY TO MINIMIZE SPREADING OF DIRT AND DEBRIS ASSOCIATED WITH CONSTRUCTION. REMOVE EXISTING MATERIAL BEFORE TRANSPORT IN THOROUGHLY COVERED CONTAINERS. |
| 2 | COVER TRANSPORT RECEPTACLES OR CISTS. |
| 3 | TAPE COVERING UNLESS SOLID. |
| 4 | VACUUM WORK AREA WITH HEPA FILTERED VACUUMS. |
| 5 | WET MOP AREA WITH DISINFECTANT. |
| 6 | REMOVE ISOLATION OF HVAC SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED. |
| 7 | REFER TO SPECIFICATION SECTION 11 00 00 - 1.3 ISOLATION PREVENTION MEASURES. |

INFECTION CONTROL RISK ASSESSMENT

- [illegible]

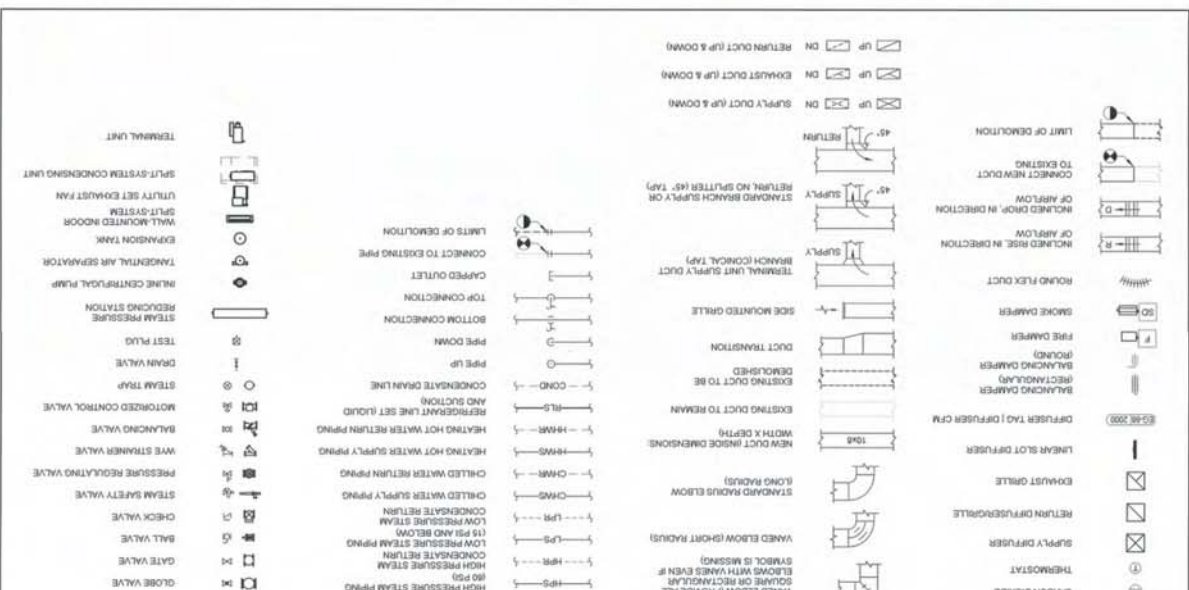
MECHANICAL GENERAL NOTES

DEDUCT ALTERNATES

ABBREVIATIONS

[illegible]

MECHANICAL LEGEND



[illegible]

U.S. Department
of Veterans Affairs



VAMC RICHMOND
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LEVEL 3 - HVAC PLAN

Project Title	EXPAND MEDICAL INTENSIVE CARE UNIT	Building Number	#500	Drawing Number	MH101
Project File		Project Number	14.1049		
Location	H.H. MCGUIRE VAMC				
Checked By:	SPG	Drawn By:	ORD		

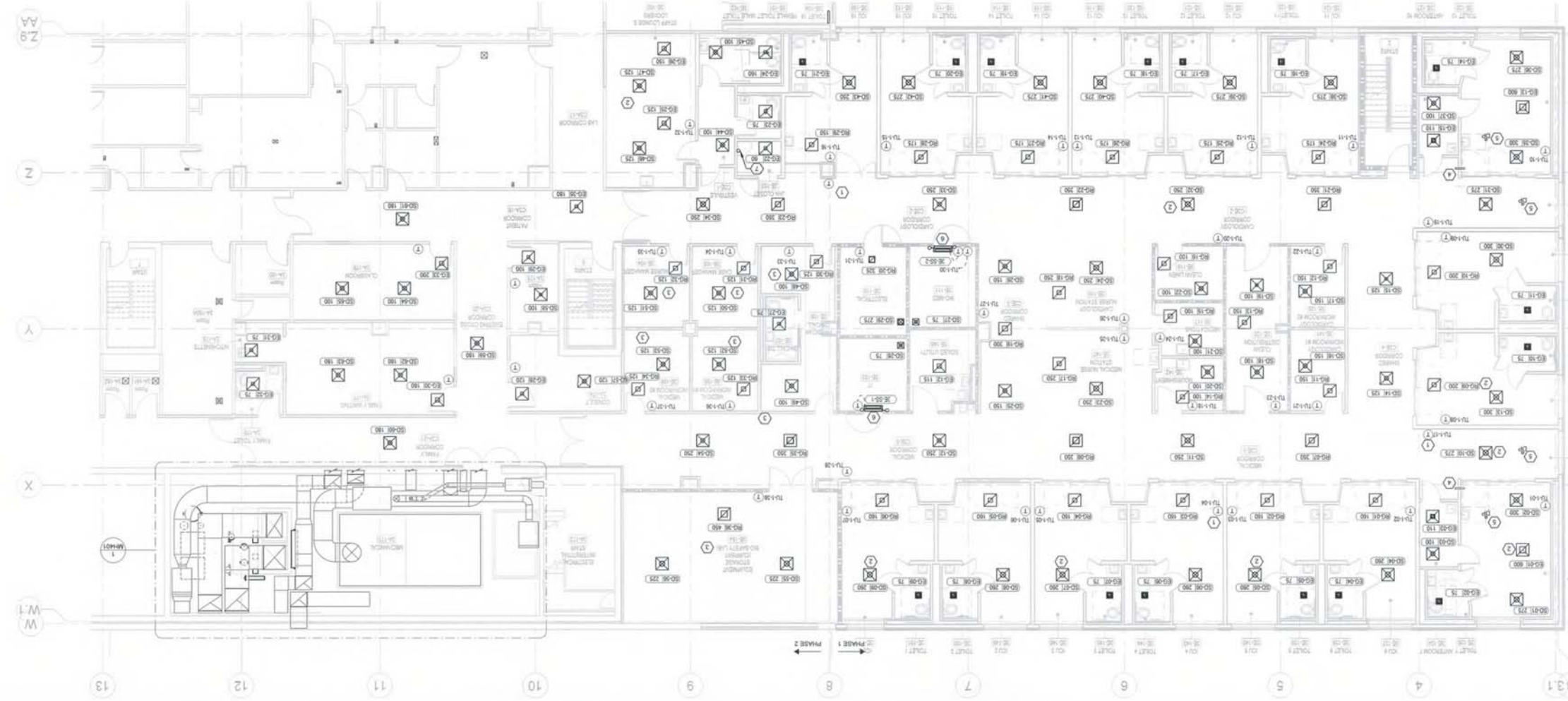
OFFICE OF
FACILITIES
MANAGEMENT
Project Number 316
U.S. Department
of Veterans Affairs

CONSTRUCTION DOCUMENTS



KEY PLAN

LEVEL 3 - HVAC PLAN



» SHEET KEY NOTES:

1. REFLECT ON WHAT YOU HAVE LEARNED FROM THE READER ASSOCIATED WITH THE THEOREMATICAL AND PRACTICAL ASPECTS OF THE READER.
2. REFLECT ON WHAT YOU HAVE LEARNED FROM THE READER ASSOCIATED WITH THE THEOREMATICAL AND PRACTICAL ASPECTS OF THE READER.
3. REFLECT ON WHAT YOU HAVE LEARNED FROM THE READER ASSOCIATED WITH THE THEOREMATICAL AND PRACTICAL ASPECTS OF THE READER.
4. REFLECT ON WHAT YOU HAVE LEARNED FROM THE READER ASSOCIATED WITH THE THEOREMATICAL AND PRACTICAL ASPECTS OF THE READER.
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6. REFLECT ON WHAT YOU HAVE LEARNED FROM THE READER ASSOCIATED WITH THE THEOREMATICAL AND PRACTICAL ASPECTS OF THE READER.
7. REFLECT ON WHAT YOU HAVE LEARNED FROM THE READER ASSOCIATED WITH THE THEOREMATICAL AND PRACTICAL ASPECTS OF THE READER.
8. REFLECT ON WHAT YOU HAVE LEARNED FROM THE READER ASSOCIATED WITH THE THEOREMATICAL AND PRACTICAL ASPECTS OF THE READER.
9. REFLECT ON WHAT YOU HAVE LEARNED FROM THE READER ASSOCIATED WITH THE THEOREMATICAL AND PRACTICAL ASPECTS OF THE READER.
10. REFLECT ON WHAT YOU HAVE LEARNED FROM THE READER ASSOCIATED WITH THE THEOREMATICAL AND PRACTICAL ASPECTS OF THE READER.

1. COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR.
2. DETERMINE THE LOCATION AND DEPTH OF ALL EXISTING UTILITY LINES AND THE CORRELATION OF ALL INFORMATION TO THE PROJECT LAYOUT OR WORK.
3. LOCATE AND IDENTIFY ALL EXISTING UTILITY LINES AND THE SAME DATA TO THE GENERAL CONTRACTOR.
4. LOCATE AND IDENTIFY ALL EXISTING UTILITY LINES AND THE SAME DATA TO THE GENERAL CONTRACTOR.
5. LOCATE AND IDENTIFY ALL EXISTING UTILITY LINES AND THE SAME DATA TO THE GENERAL CONTRACTOR.
6. LOCATE AND IDENTIFY ALL EXISTING UTILITY LINES AND THE SAME DATA TO THE GENERAL CONTRACTOR.

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U.S. Department
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LEVEL 3 INTERSTITIAL - PII
 Drawing Title
 Approved for Design Concept
 FACILITY MANAGEMENT
 DIVISION MANAGER

g	
i	
n	
p	NG PLAN

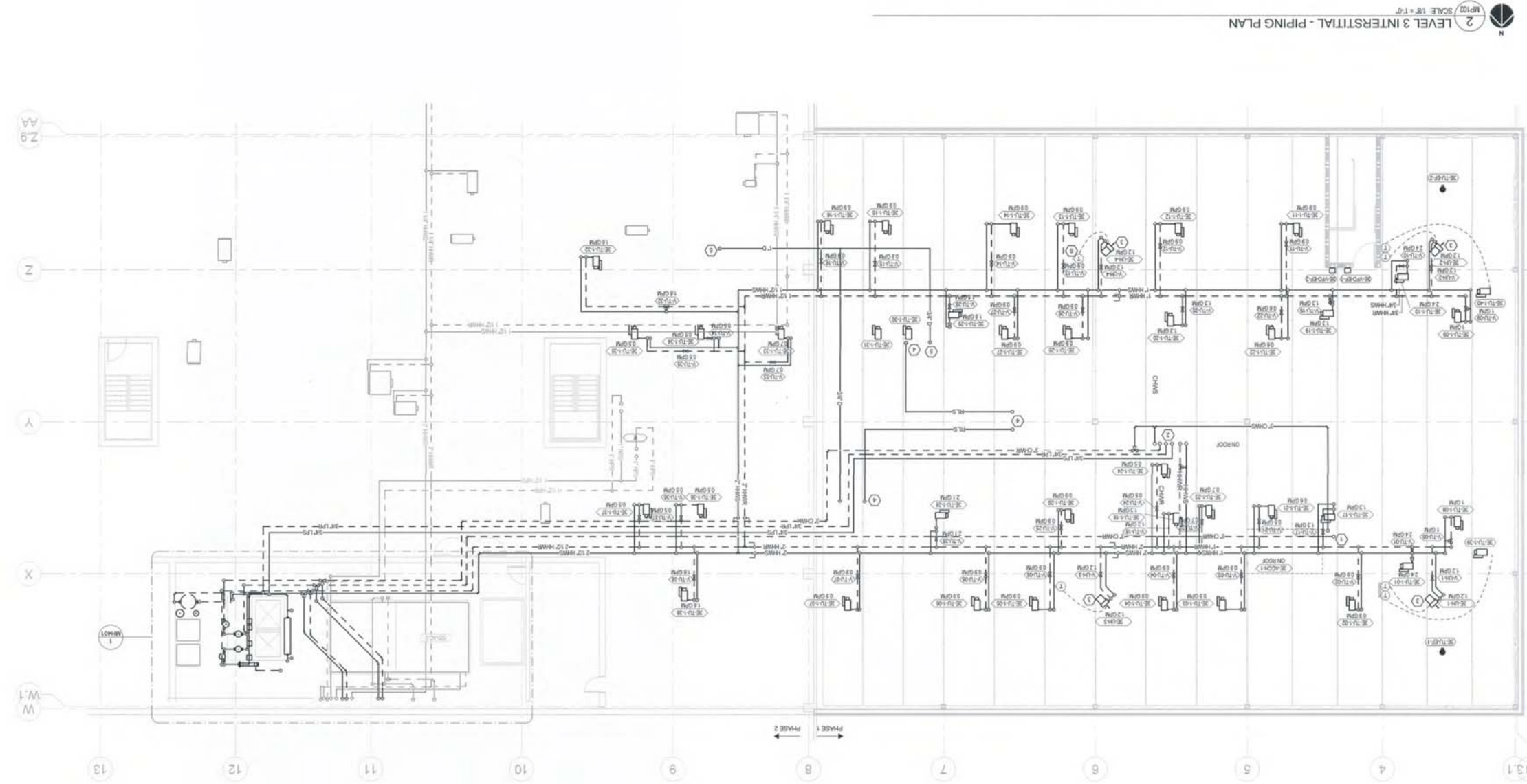
PAND MEDICAL
INTENSIVE CARE UNIT
H. MCGUIRE VAMC
01/2016
Checked
SP

Project Number	14.1049
Building Number	#500
Drawing Number	MP102

OFFICE OF FACILITIES MANAGEMENT	Project Number 2-316	 U.S. Department of Veterans Affairs
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KEY PLAN



LEVEL 3 INTERSTITIAL - PIPING PLAN

- GENERAL NOTES:
1. COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR
OTHER TRADES AND THE COM TO MINIMIZE DISRUPTION OF AREA
OUTSIDE OF THE PROJECT LIMITS OF WORK.
2. UNLESS OTHERWISE NOTED, WORK IS TO BE COMPLETED AS A
PART OF PHASE 1. REFER TO SHEET G400 FOR PHYSICAL AREA
DETAILS.
3. REFER TO SHEET G300 FOR PRODUCT ALTERNATE DETAILS.
- ⑧ SHEET KEY NOTES:

[illegible]

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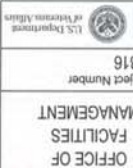
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MECHANICAL SECTIONS
DIVISION MANAGER
FACILITY MANAGEMENT
Approved for Design Concept

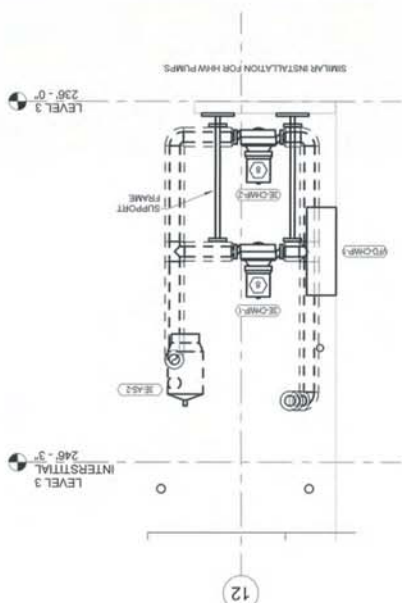
EXPAND MEDICAL INTENSIVE CARE UNIT	Location	
H.H. MCGUIRE VAMC		
Date	Checked By:	Drawn By:
03/01/2016	SPG	ORD

14.1049
Uniting Number
#500
Drawing Number
MH201

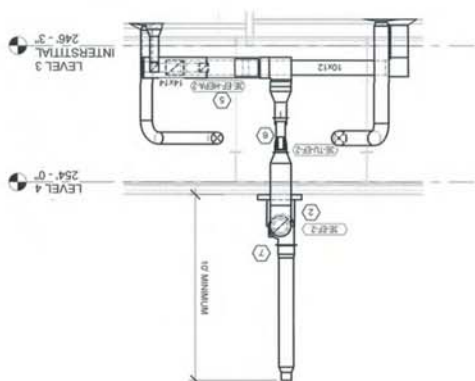


CONSTRUCTION DOCUMENTS

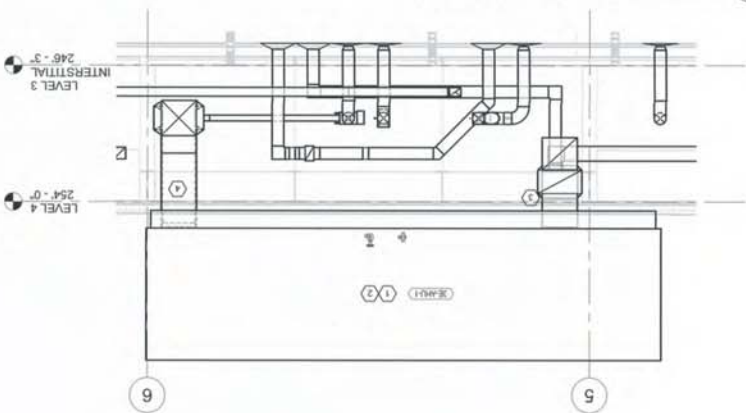
3 MH-201 1/2" = 1.0" INLINE PUMP CONNECTIONS



ISOLATION ROOM EXHAUST FAN DUCTWORK



2 AIR HANDLER DUCT CONNECTIONS



6 SHEET KEY NOTES

NEW CUSTOM AND (DEATH-1) WITH SERVICE CORRIDOR
TO WED FOR PANS, PROVIDE WITH LIGHTING FOR
SPACE OF AHT.
WASTE EXACT EQUIPMENT MOUNTING LOCATION WITH
TUBAL PRIOR TO INSTALLATION. ALL CUBES AND
SUPPORTS TO BE COORDINATED WITH ROOMING
ACTOR TO MEET ANY AND ALL ROOM WARRANTY

GENERAL NOTES:

1. MAKE ALL WORK WITH THE GENERAL CONTRACTOR
2. NOTIFY OWNER, ALL CONTRACTORS AND GALLE
3. USED THE SAME SIZE AS IN PREVIOUS CONNECTION
4. NUMBER AND GALLE TRANSFERS SHALL INCLUDE A
5. CONNECTED CEILING PLAN FOR CEILING TYPES AS WELL
6. OWNER AND GALLE AGREEMENT WITHIN THE CEILING
7. PHASE 1 REFER TO SHEET 0505 FOR PHASED AREA
8. TO SHEET 0504 FOR PRODUCT ALTERNATE DETAILS.

[illegible]

U.S. Department of Veterans Affairs



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1201 BROAD ROCK BLVD, RICHMOND, VA 23249

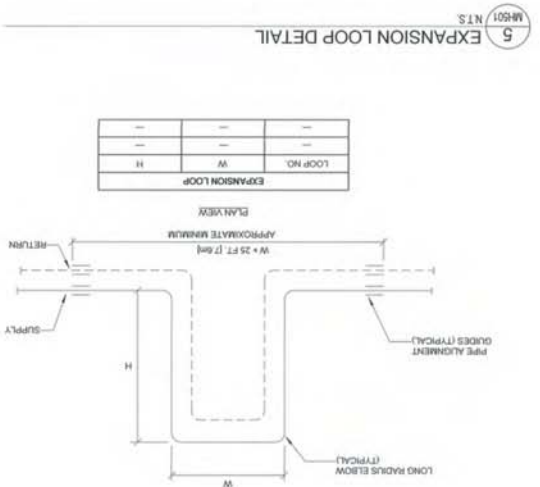
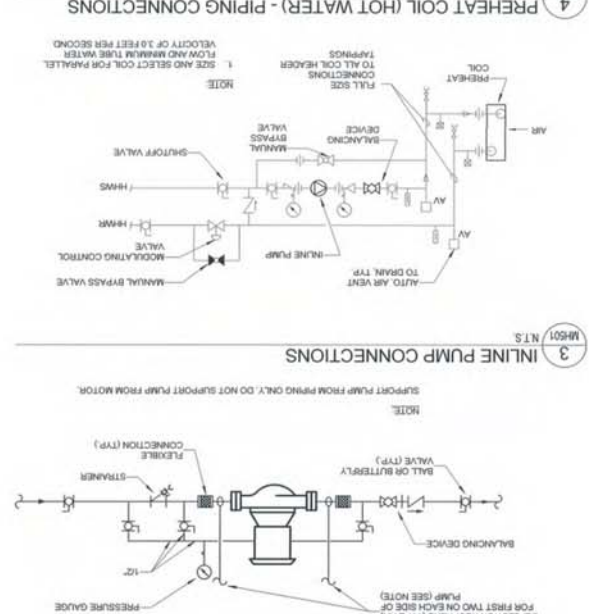
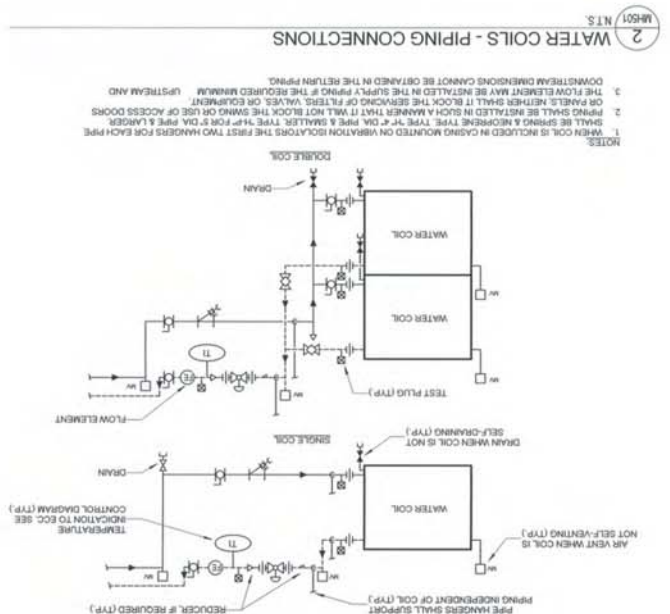
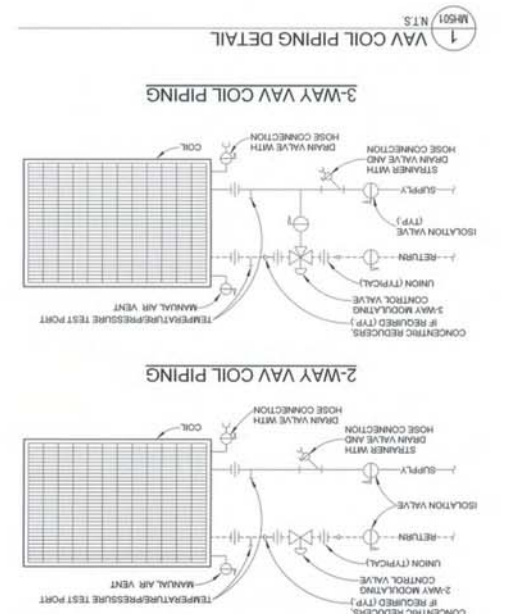
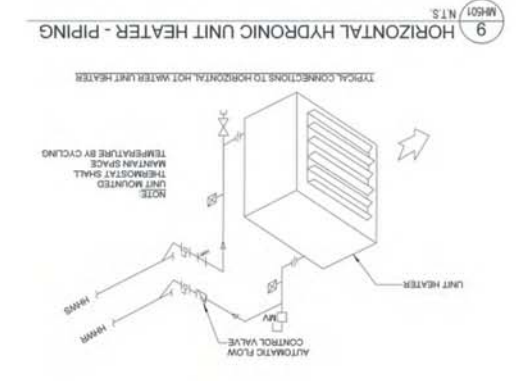
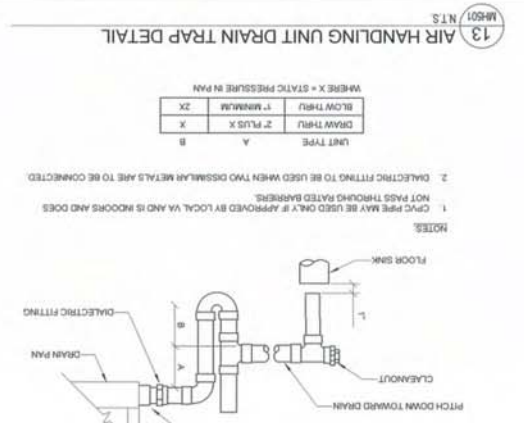
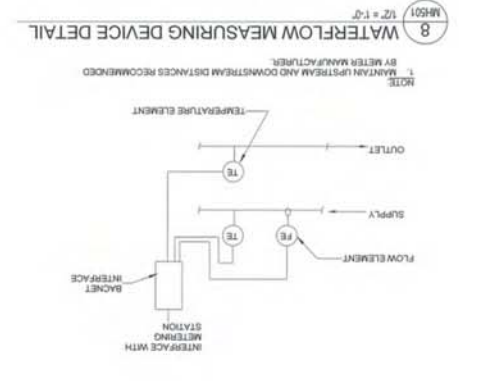
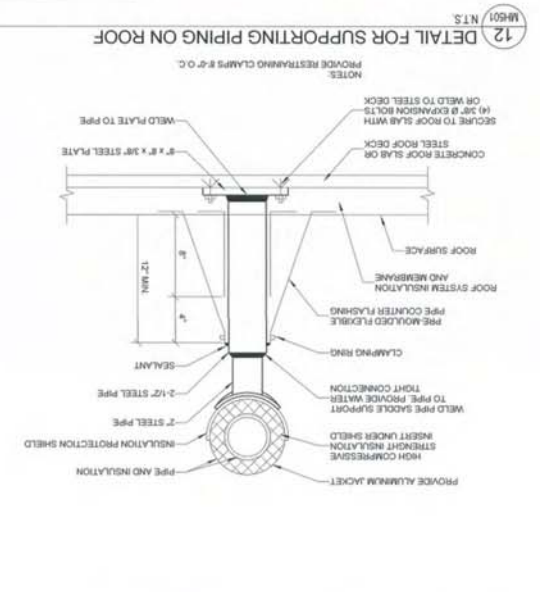
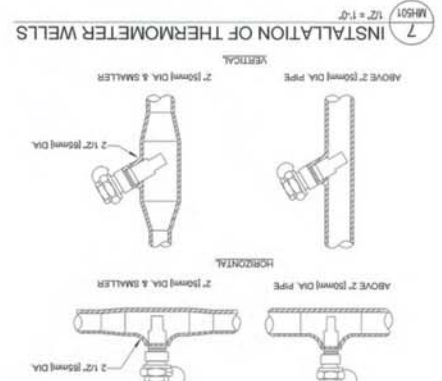
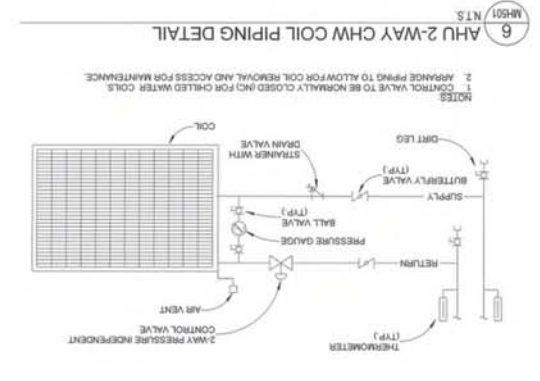
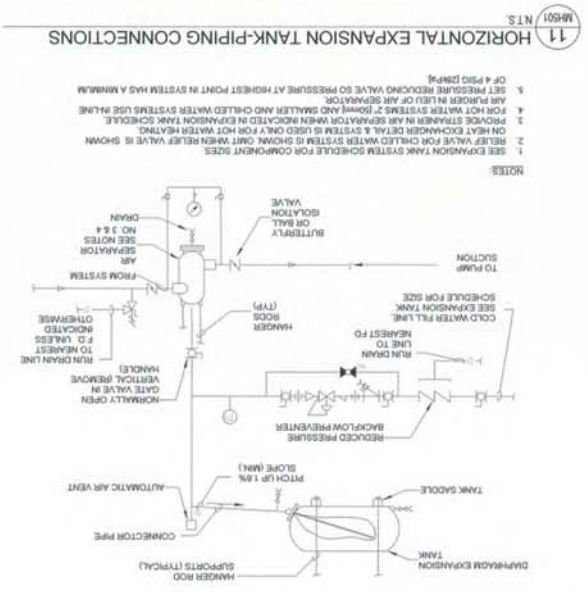
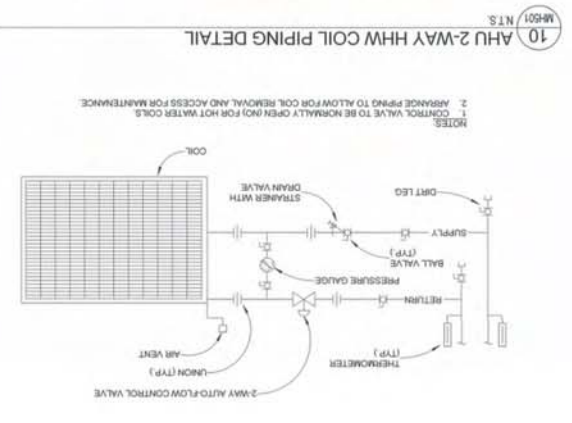


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Tel: 804-343-1010

CIVIL ENGINEERING OFFICE OF FACILITIES MANAGEMENT VA Project Number 652-316		DRAWING NUMBER #500 14.1049		PROJECT TITLE EXPAND MEDICAL INTENSIVE CARE UNIT		LOCATION H.H. MCGUIRE VAMC		DATE 03/01/2016		CHECKED BY: SPG		DRAWN BY: ORD		DIVISION MANAGER FACILITY MANAGEMENT Approved for Design Concept		MECHANICAL DETAILS Drawing Title	
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[illegible]

VA

U.S. Department
of Veterans Affairs

VAHQ RICHMOND
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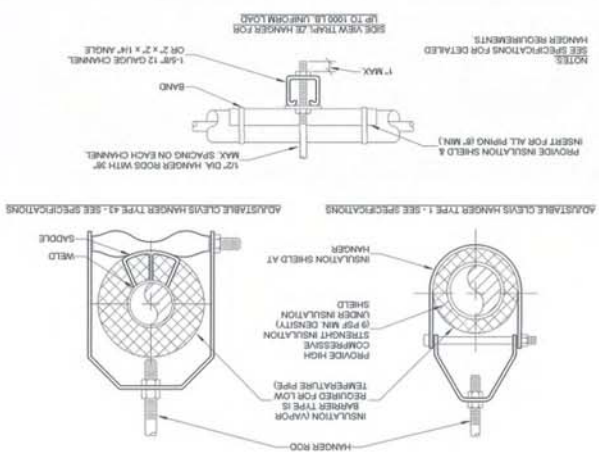
MEP Engineer
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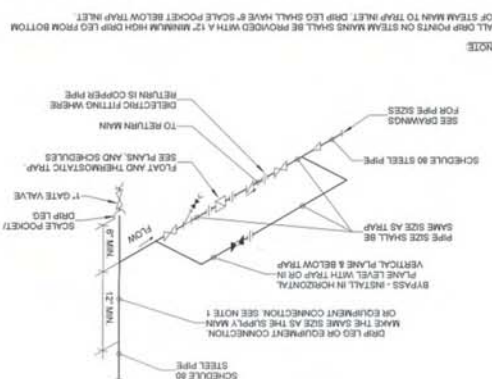
MECHANICAL DETAILS		EXPAND MEDICAL INTENSIVE CARE UNIT		Building Number #500		Project Number 14.1049		Office of Facilities Management	
Approved for Design Concept		Location H.H. MCGUIRE VAMC		Drawing Number		VA Project Number		VA Project Number	
DIVISION MANAGER		Checked By:		Drawing Number		VA Project Number		VA Project Number	
03/01/2016		SPG		ORD		VA Project Number		VA Project Number	

9
MH-503
N.T.S.
PIPE HANGER

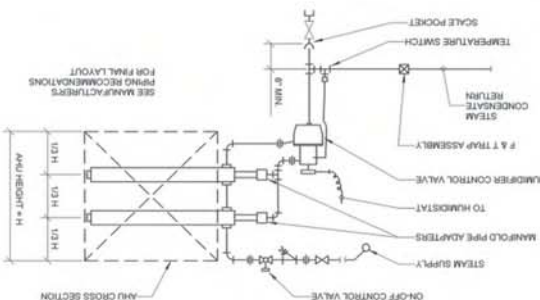
MAXIMUM PIPE SUPPORT SPACING												
NOM. SIZE (IN.)	THRU 3/4"	1 1/4"	1 1/2"	2 1/4"	3"	4"	5"	6"	8"	10"	12"	14"
PIPE (FT.)	3	3	3	9	10	11	12	14	16	17	18	20
TUBING (FT.)	5 FT.	6	7	8	8	8	8	9	10	12	13	14
NOTE: FOR TRAPEZOID HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZOID												



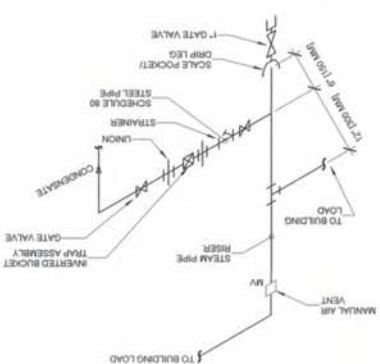
5 FLOAT AND THERMOSTATIC STEAM TRAP ASSEMBLY



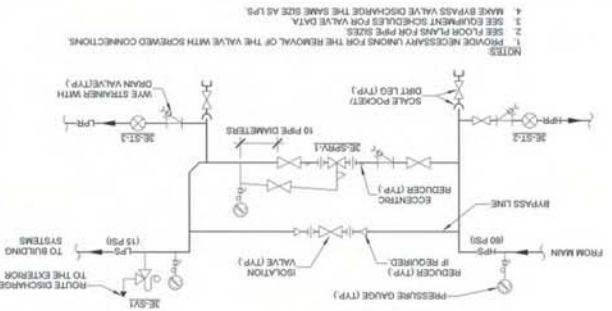
1
MH503 N.T.S.
STEAM HUMIDIFIER - PIPING CONNECTIONS



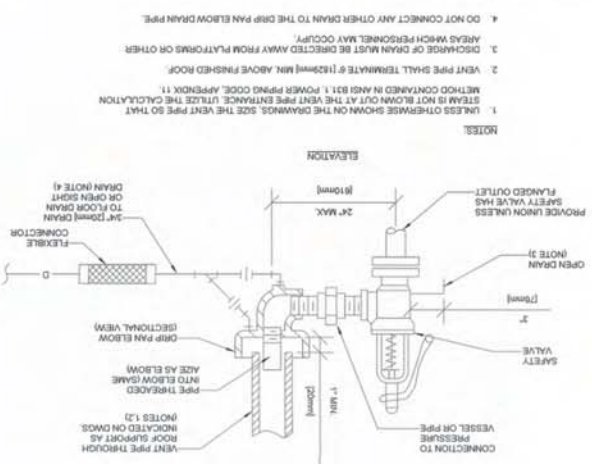
END OF STEAM LINE DRIP TRAP



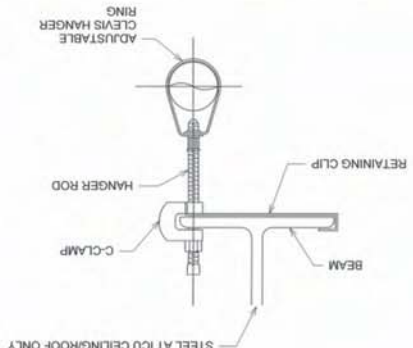
2 STEAM PRESSURE REDUCING SCHEMATIC



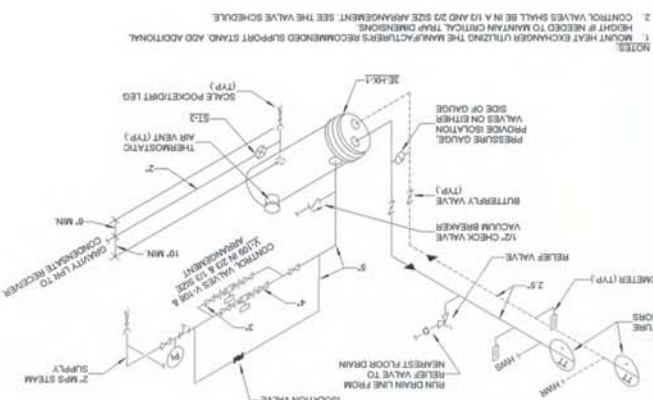
7
M-603
NTS
STEAM SAFETY VALVE



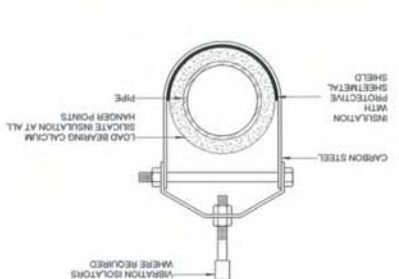
3
MH503
N.T.S.
C-CLAMP PIPE HANGER DETAIL



8 HEAT EXCHANGER - STEAM TO HOT WATER N.T.S. MH-503

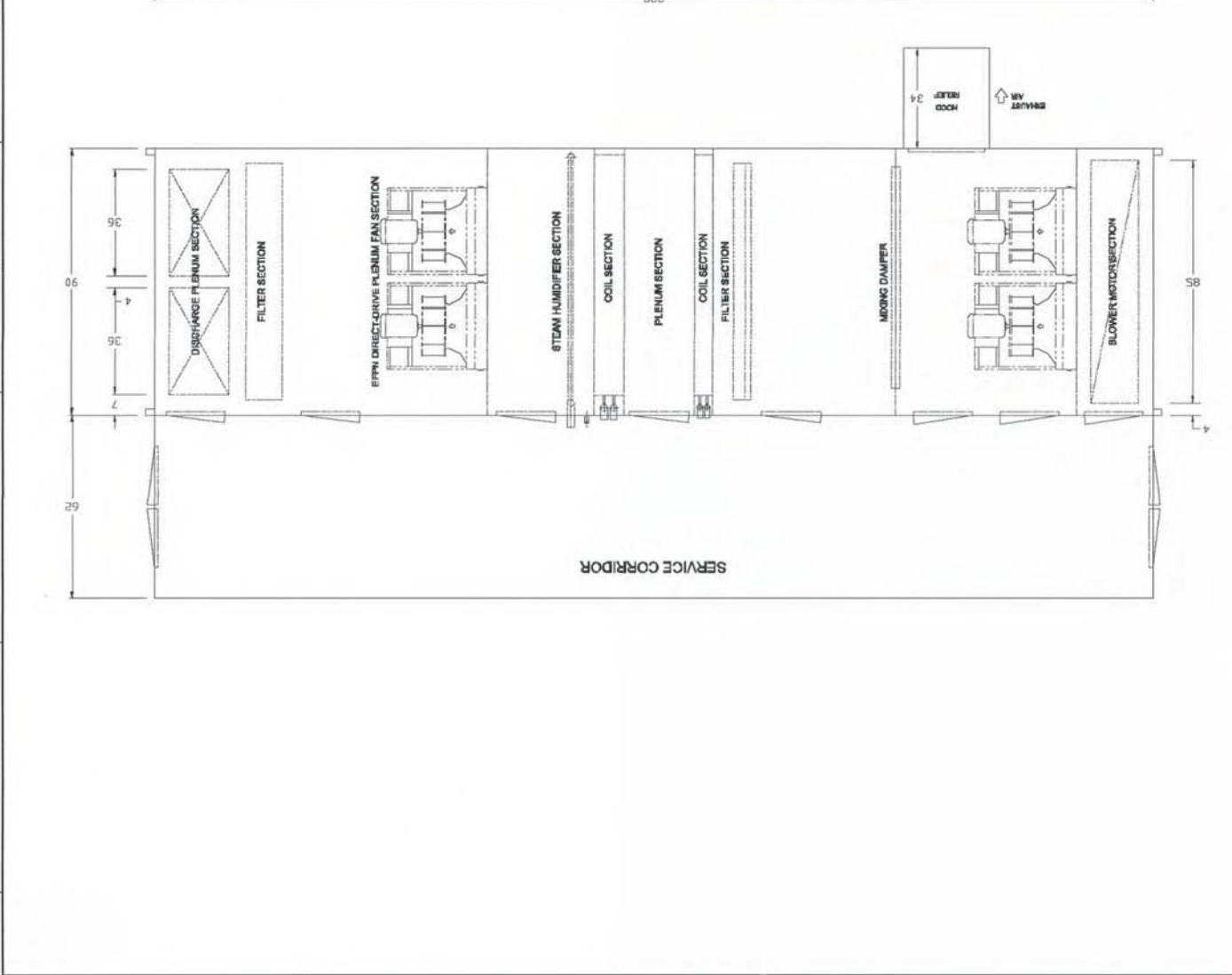
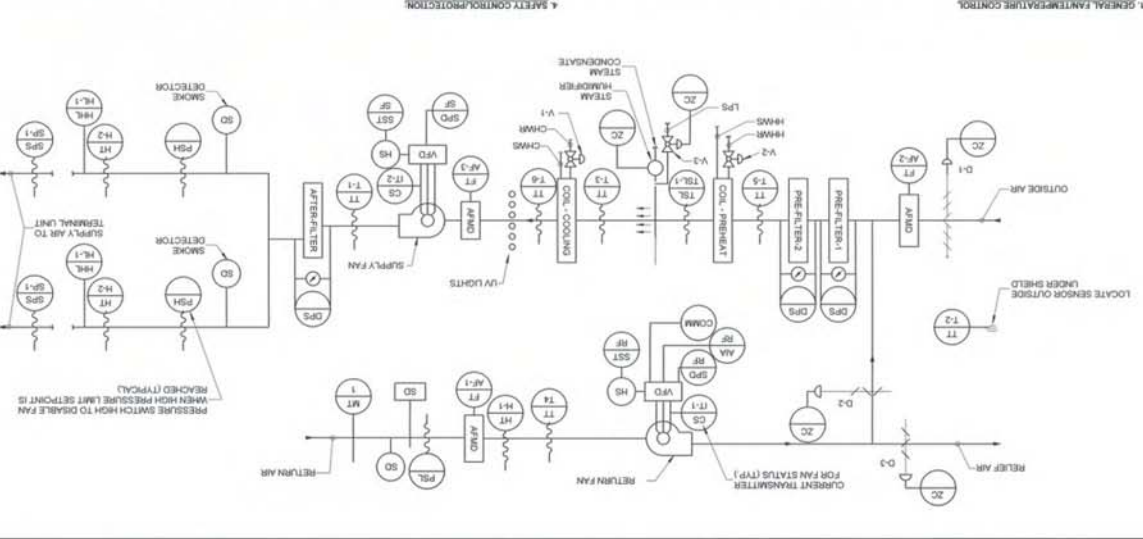






4 CLEVIS PIPE HANGER DETAIL



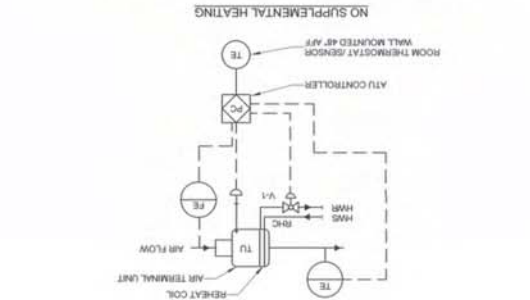
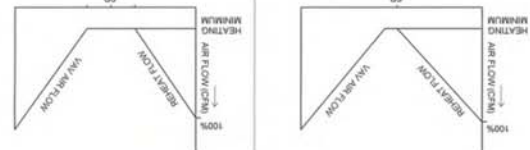
[illegible]

Architectural floor plan of a building. The plan shows a long rectangular structure with various rooms and dimensions. The overall dimensions are 88' (width) by 292' (length). The plan includes several rooms labeled 'ACC' (Access) and 'ME' (Mechanical). There are also dimensions for individual rooms and sections, such as 26', 61', 49', 13', 6', 24', 10', 36', 70', 12', 31', 2', 16', and 5'. A note indicates '1-1/2\"

[illegible][illegible]

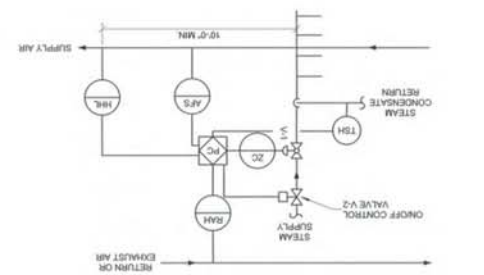
  1201 BROAD ROCK BLVD., RICHMOND, VA 23249 U.S. Department of Veterans Affairs	 NORTH CAROLINA PROFESSIONAL SEAL JAMES P. GORDON 2-24-16 NC LICENSE # C-1946 APOGEE CONSULTING GROUP P.A.	ARCHITECT/ENGINEERS: PROJECT LEAD GUIDON DESIGN Architect, Structural Engineer, Civil Engineer MEET Engineer 101 S. 15th Street Suite 200 Richmond, VA 23219 Tel: 804-343-1010 TOLL FREE: 878-858-7420 Fax: 804-343-1010 WWW.GUIDONDESIGN.COM 905 N. CAPITAL AVE. SUITE 100 BALTIMORE, MD 21206 Tel: 410-528-1100 TOLL FREE: 878-858-7420 WWW.GUIDONDESIGN.COM	Drawing Title MECHANICAL CONTROLS DETAILS Project Title EXPAND MEDICAL INTENSIVE CARE UNIT Building Number #500 Project Number 14.1049	Location H.H. MCGUIRE VAMC Drawing Number MH505 VA Project Number 652-316	Date 03/01/2016 Checked By: SPG ORD Drawn By: MH505	Drawing Title CONSTRUCTION DOCUMENTS Project Title EXPAND MEDICAL INTENSIVE CARE UNIT Building Number #500 Project Number 14.1049	Office of Facilities Management VA Project Number 652-316	 U.S. Department of Veterans Affairs
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2 VAV AIR TERMINAL UNIT CONTROL DIAGRAM

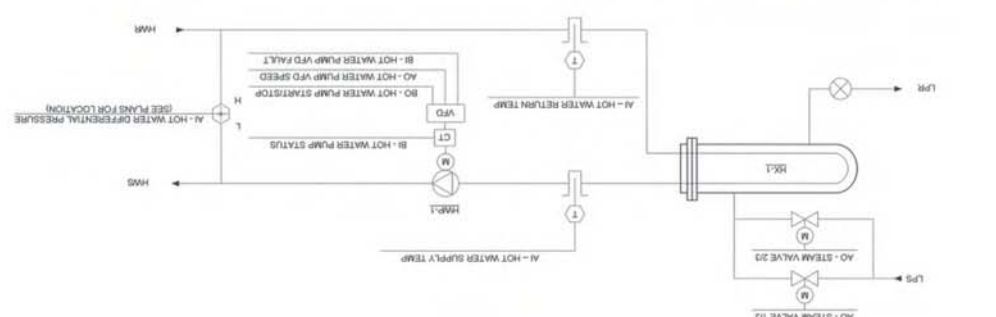
[illegible]

1 STEAM HUMIDIFIER CONTROLS

RETURN FOR EXHAUST AIR QUALITY SHALL BE MONITORED ON CALL FOR AUTOMATICALLY
 DISABLING THE HUMIDIFIER SHALL LOCATE TO MONITORING OR EXHAUST AIR
 HUMIDITY EXCEEDS 90% FOR 10 MINUTES. THIS AIRFLOW SWITCH SHALL PROVIDE AIRFLOW
 BEFORE HUMIDITY CONTROL IS ACTIVATED.



3 STEAM TO HW CONVERTER CONTROLS



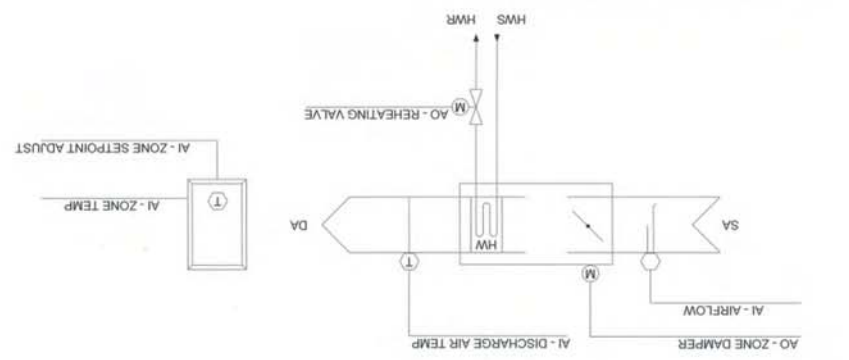
4 STEAM TO HW CONVERTER SCHEMATIC POINTS LIST

[illegible]

VAV TERMINAL UNIT CONTROLS

[illegible]

7 VAV TERMINAL SCHEMATIC



Revisions:	
Date	



1201 BROAD ROCK BLVD, RICHMOND, VA 23249

U.S. Department of Veterans Affairs



APOGEE CONSULTING GROUP P.A.
NO LICENSE # C-1848



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Interior Design
BASKEVILL

Approved for Design Concept
DIVISION MANAGER
H.H. MCQUIRE VAMC
03/01/2016
Checked By: SPG
Drawn By: ORD

Office of Facilities Management
VA Project Number
652-316

Project Title
EXPAND MEDICAL INTENSIVE CARE UNIT
14.1049
Project Number
#500

Drawing Title
MECHANICAL SCHEDULES
FACILITY MANAGEMENT
MH602
Drawing Number

Location
H.H. MCQUIRE VAMC
03/01/2016
Checked By: SPG
Drawn By: ORD

Project Title
EXPAND MEDICAL INTENSIVE CARE UNIT
14.1049
Project Number
#500

Drawing Title
MECHANICAL SCHEDULES
FACILITY MANAGEMENT
MH602
Drawing Number

NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS
2. PROVIDE DAMPER IN BRANCH DUCT AS SHOWN ON PLANS

MARK	LOCATION	TYPE	MIN.	MAX.	MAX. A/P	MOUNTING	PANEL/FRAME	SIZE	NECK SIZE	MAX NO.	DAMPER	FINISH	MATERIAL
60-01	3A-115	EGG GRATE	550	600	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-02	3A-115	EGG GRATE	75	75	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-03	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-04	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-05	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-06	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-07	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-08	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-09	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-10	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-11	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-12	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-13	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-14	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-15	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-16	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-17	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-18	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-19	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-20	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-21	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-22	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-23	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-24	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-25	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-26	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-27	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-28	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-29	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-30	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-31	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-32	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-33	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-34	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-35	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL

NOTES:
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2. PROVIDE DAMPER IN BRANCH DUCT AS SHOWN ON PLANS

MARK	LOCATION	TYPE	MIN.	MAX.	MAX. A/P	MOUNTING	PANEL/FRAME	SIZE	NECK SIZE	RECT.	DAMPER	FINISH	MATERIAL
60-36	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-37	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-38	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-39	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-40	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-41	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-42	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-43	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-44	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-45	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-46	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-47	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-48	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-49	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-50	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-51	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-52	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-53	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-54	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-55	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-56	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-57	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-58	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-59	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-60	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-61	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-62	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-63	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-64	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-65	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-66	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-67	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-68	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-69	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-70	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL

NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS
2. PROVIDE DAMPER IN BRANCH DUCT AS SHOWN ON PLANS

MARK	LOCATION	TYPE	MIN.	MAX.	MAX. A/P	MOUNTING	PANEL/FRAME	SIZE	NECK SIZE	MAX NO.	DAMPER	FINISH	MATERIAL
60-71	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-72	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-73	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-74	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-75	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-76	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-77	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-78	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-79	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-80	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-81	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-82	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-83	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-84	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-85	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-86	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20	No	WHITE	STEEL
60-87	3A-115	EGG GRATE	100	100	0.00 in-kg	CEILING	24x24	12x12	12x12	20			

