

ROUDEBUSH VA MEDICAL CENTER, INDIANA

PROJECT TITLE: REPLACE ROOFS - BUILDING 1 (PVC)
 PROJECT # 583-14-147
 07FY14



RICHARD L. ROUDEBUSH
 VA MEDICAL CENTER
 ENGINEERING SERVICE
 1481 West 10th Street
 Indianapolis, Indiana 46202

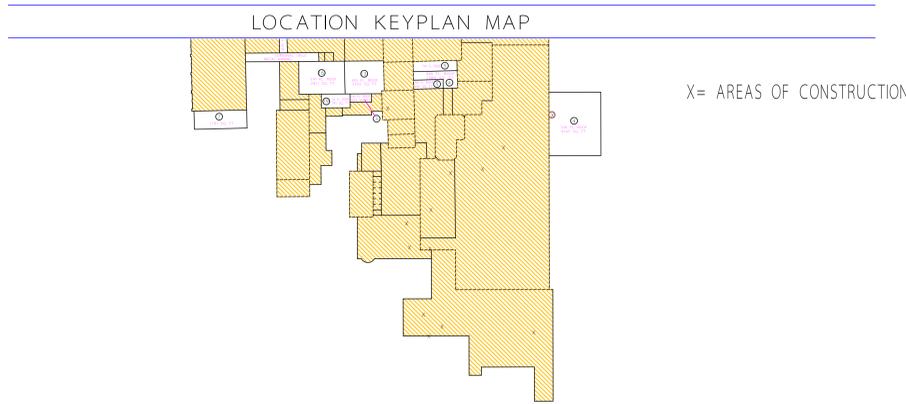
SHEET NO.	DRAWING NO.	DRAWING TITLE
1	G-101	COVER SHEET
2	A-101	ARCHITECTURAL ROOF AND FLOOR PLANS (SDS, HR/EMT, AND C - SOUTH GENERATOR)
3	A-102	ARCHITECTURAL ROOF AND FLOOR PLANS (7TH & 8TH FLOOR A-WING)
4	A-103	ARCHITECTURAL ROOF AND FLOOR PLANS (5TH FLOOR A-WING)
5	A-104	ARCHITECTURAL ROOF AND FLOOR PLANS (DOCK AND BRIDGE)
6	D-101	DEMOLITION D-WING ROOF AIR HANDLER UNIT
7	M-101	MECHANICAL ROOF AND FLOOR PLANS (SDS AND C - SOUTH GENERATOR)
8	M-102	MECHANICAL ROOF AND FLOOR PLANS (HR AND EMT)
9	M-103	MECHANICAL ROOF AND FLOOR PLANS (SDS AND C - SOUTH GENERATOR)
10	M-104	MECHANICAL ROOF AND FLOOR PLANS (DOCK AND BRIDGE)

GENERAL CONSTRUCTION NOTES:

- PRIOR TO CONSTRUCTION, A QUALIFIED TECHNICIAN FROM APPROPRIATE TRADE SHALL VISIT THE SITE TO VERIFY AND EVALUATE SCOPE OF WORK SUCH AS: AIR SUPPLY SYSTEM, ADEQUATE AIR FLOW, ELECTRICAL, PLUMBING, CARPENTRY, ROOFING SYSTEM AND ETC. (ADVISE PROJECT ENGINEER OF ANY COMPLICATION).
- COORDINATE DEMOLITION WORK WITH APPROPRIATE TRADES TO ENSURE PROPER EQUIPMENT SHUT DOWN, WATER SHUT DOWN OR ANY HVAC CONTROL SYSTEM ACCESS AND ETC.; WILL BE INSTALLED IN THE PROPER PLACE AT THE PROPER TIME;
- A PORTION OF THE WORK FOR THIS PROJECT MAY HAVE TO BE DONE AT NIGHT AFTER NORMAL DUTY HOURS AND SHALL COORDINATE WITH PROJECT ENGINEER PRIOR TO WORKING AFTER NORMAL DUTY HOURS.

HAZARDOUS MATERIAL (Haz-Mat), ASBESTOS CONTAINING MATERIAL (ACM) AND LEAD BASED PAINT (LBP) STATEMENT (Place an "X" in the appropriate box.)	
This space contains no known or suspected asbestos or LBP.	X
This space contains ___ hazardous material and/or ___ asbestos and/or ___ LBP that will be removed by the VA Medical center.	
This space contains ___ hazardous material and/or ___ asbestos and/or ___ LBP that will be removed under this contract.	
This space contains ___ hazardous material and/or ___ asbestos and/or ___ LBP that will be removed by the VA Medical under a separate Contract.	

IMPORTANT
 NOTE: PRIOR TO CONSTRUCTION, CAREFULLY REVIEW THE COMPLETE SET OF DRAWINGS TO INCLUDE ALL SHEETS, DETAILS AND NOTES.



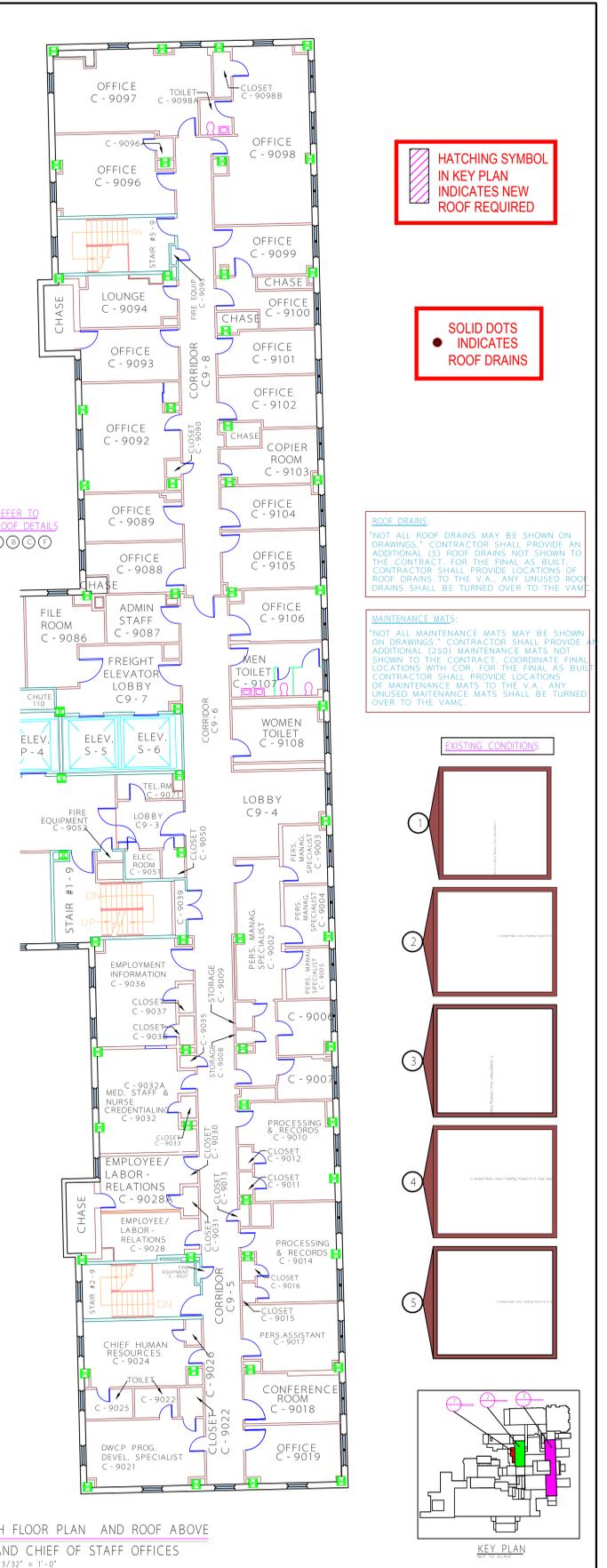
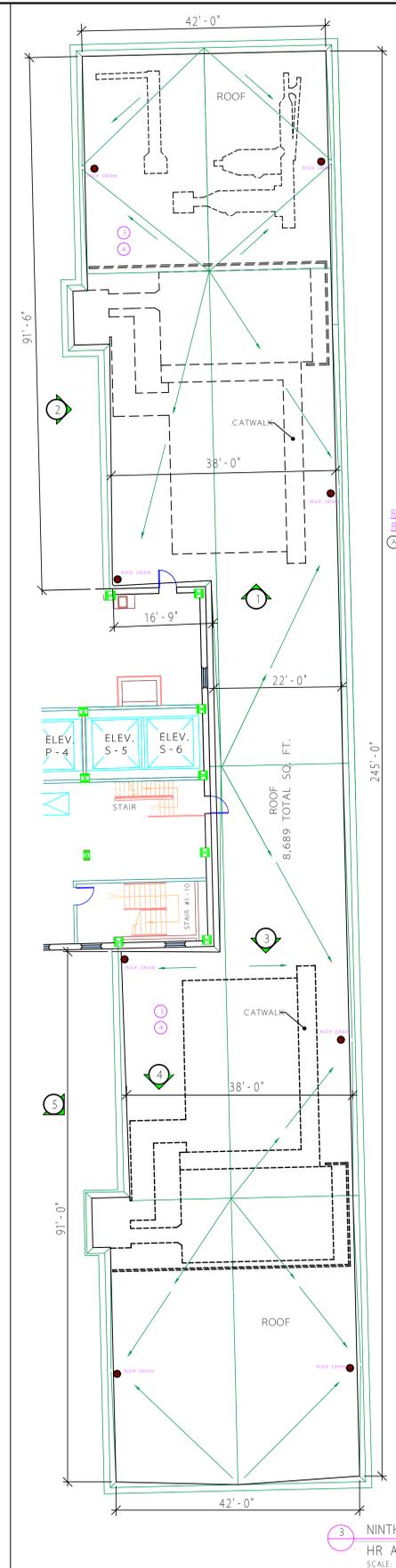
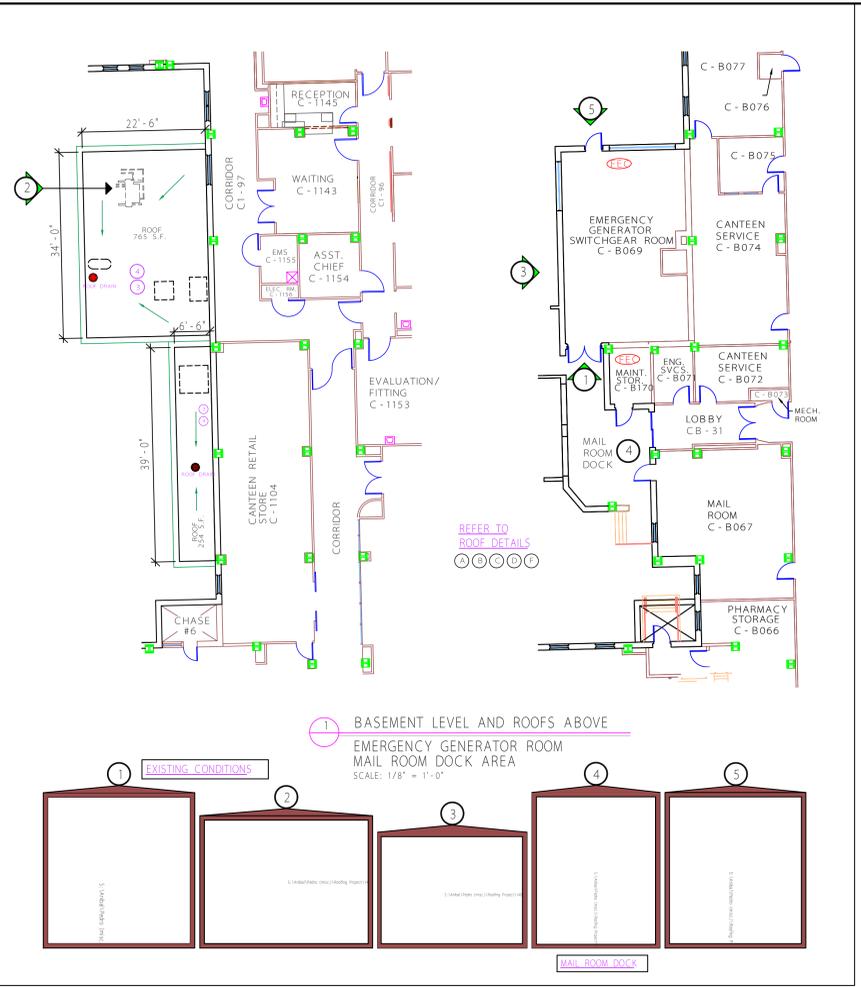
COORDINATION BY SIGNATURES	
Reviewed	Date
Architect/Engineer	Date
Reviewed	Date
ME / Communications	Date
Reviewed	Date
Infection Control	Date
Reviewed	Date
Security	Date
Reviewed	Date
Ground Safety	Date
Reviewed	Date
Facilities	Date
Reviewed	Date
Project Engineer	Date
Reviewed	Date
M & D Foreman	Date
Reviewed	Date
T & H Foreman	Date
Reviewed	Date
Electrical Foreman	Date
Reviewed	Date
MEP Foreman	Date
Reviewed	Date
To Meet	Date
Reviewed	Date
Missatti Chief of Engineering	Date
Reviewed	Date
Chief of Engineering	Date

SHOP DRAWINGS FOR CONSTRUCTION

total SF : 43,478

Revisions:	Date	PLOT DATE:	ADDRESS:	NORTH REFERENCE	PROJECT ENGINEER:	PROJECT MANAGER:	DRAWN BY:	COVER SHEET	Engineering and Facilities Management Services
		PLOT DATE: 13 MAY 2014	Richard L. Roudebush VA Medical Center 1481 W. 10th St. Indianapolis, Indiana 46202		PEDRO MARISTELA	GERALD MOORE	A. FERNANDEZ	REPLACE ROOFS - BUILDING 1 (PVC) PROJECT # 583-16-123	Department of Veterans Affairs
		CAD DRAWING FILE LOCATION: S:\PEDRO\FY14 PROJECTS\REPLACE ROOFS - BUILDING 1 (PVC)						DRAWING NO. G-101 SHEET 1 OF 10	

three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot
 one half inch = one foot
 three quarters inch = one foot
 one inch = one foot
 one and one half inches = one foot
 two inches = one foot
 three inches = one foot
 four inches = one foot
 five inches = one foot
 six inches = one foot
 seven inches = one foot
 eight inches = one foot
 nine inches = one foot
 ten inches = one foot
 eleven inches = one foot
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 eighty six inches = one foot
 eighty seven inches = one foot
 eighty eight inches = one foot
 eighty nine inches = one foot
 ninety inches = one foot
 ninety one inches = one foot
 ninety two inches = one foot
 ninety three inches = one foot
 ninety four inches = one foot
 ninety five inches = one foot
 ninety six inches = one foot
 ninety seven inches = one foot
 ninety eight inches = one foot
 ninety nine inches = one foot
 one hundred inches = one foot



GENERAL NOTES:

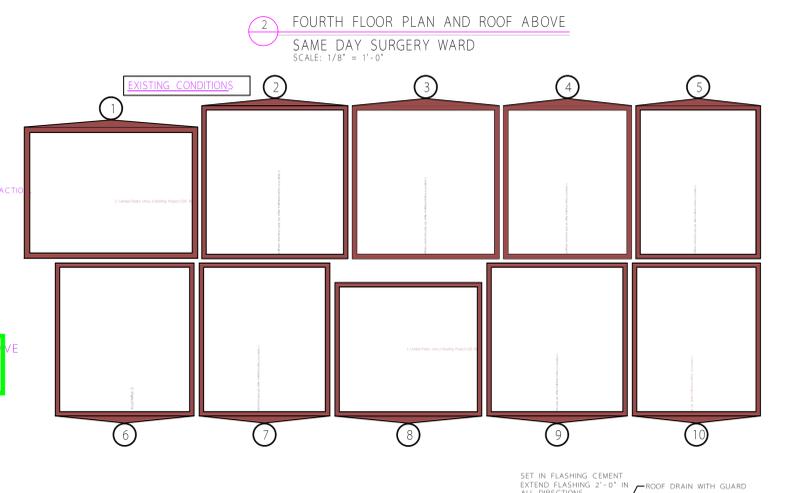
- COORDINATE ALL UTILITY / EQUIPMENT SHUTDOWNS WITH COR AND VA ENGINEERING ONE WEEK PRIOR TO DISCONNECTION. FORMS MUST BE FILLED OUT AND IN PLACE WITH VA ENGINEERING.
- DISCONNECT, REMOVE AND REINSTALL EXISTING ELECTRICAL, HVAC, PLUMBING, EQUIPMENT, ETC.; INCLUDING BUT NOT LIMITED TO CONDUITS, WIRING, RAILING, STRUCTURAL MATERIAL AND LIGHTING PROTECTION.
- REFER TO ROOF DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION; INCLUDING EXISTING CONDUIT SUPPORTS AND PENETRATIONS. ALL ROOF PENETRATIONS SHALL BE SEALED FROM PEST/INSECT/WATER/FIRE PROTECTION.
- CONTRACTOR SHALL SUBMIT DETAILED INSTALLATION DRAWINGS AND AS-BUILT FOR ALL ROOF REPLACEMENTS AS SHOWN AND SPECIFIED. DRAWINGS SHALL THE SUPPLIER, WARRANTY UNDERWRITER AND CONTRACTOR.
- CONTRACTOR SHALL PROVIDE MAINTENANCE WALKWAYS AS SHOWN, AND SPECIFIED IN DRAWINGS, DETAILS AND PHOTOS. WALKWAYS SHALL BE 30" WIDE BY 60" LONG MAX SECTION, 3/8" THICK, INSTALLED PER MANUF. SPEC.
- CRANE LOCATIONS SHALL BE COORDINATED ONE WEEK PRIOR TO ARRIVAL.
- REMOVE AND REPLACE ALL ROOF DRAINS UP TO 5'-0". COORDINATE ABOVE CEILING WORK WITH COR SO THAT NOTIFICATION CAN BE PROVIDED TO THE SERVICE BELOW. INFECTION CONTROL BARRIERS ARE REQUIRED FOR WORKING INSIDE HOSPITAL AND ABOVE CEILING WORK.
- PROVIDE NEW FLASHING IN ALL ROOF PENETRATIONS.

GENERAL DEMOLITION NOTES:

- HATCHED AREA INDICATES PROJECT AREA (ROOF SYSTEM TO BE REMOVED DOWN TO METAL OR CONCRETE DECKS AND REPLACED) WITH NEW R40 THERMO PLASTIC MEMBRANE (PVC) ROOF SYSTEM. ALL MATERIALS TO BE REMOVED BY CONTRACTOR FROM SITE.
- ONLY REMOVE PORTIONS OF ROOF AREA SUCH THAT NEW ROOF CAN BE REINSTALLED BY THE END OF THE DAY. WORK AFTER HOURS WILL NEED TO BE APPROVED BY COR AND COORDINATED WITH VA POLICE AND VA CHILLER PLANT OPERATORS.
- SEAL ALL WALL MASONRY WHICH ARE PERPENDICULAR TO ROOF (TO AVOID PEST/INSECT/WATER FROM PENETRATING DOWN THE WALL. IF APPLICABLE, WHEN ROOF IS DEMOLISHED, CONCRETE DECK SHALL BE SEAL COATED AND EPOXY COATED TO SEAL ALL CRACKS IN DECK. REMOVE DAMAGED CAPSTONE. PROVIDE UP TO 100 PIECES PER 1000 SQUARE FOOT OF ROOF AREA.
- REMOVE AND REINSTALL NEW ROOF DRAINS IN PROJECT HATCHED AREA. REPLACEMENT OF DRAINS SHALL BE COORDINATED WITH COR AND VA ENGINEERING, TO ACCESS FLOOR BELOW DIRECTLY BELOW WHICH DRAIN ENTERS IN THE HOSPITAL. PROVIDE SLOPE DRAINAGE DRAWING PRIOR TO INSTALLATION.
- SCUPPERS SHALL BE REPLACED WITH NEW SCUPPERS PER DETAIL AND SPECIFICATIONS, IF APPLICABLE TO EITHER WEST 10TH STREET.
- REMOVE OBSOLETE EQUIPMENT CURBS, RAILS, PENETRATIONS, COPING AND OTHER DAMAGED ROOF MATERIALS.
- REMOVE/REPLACE ALL MECHANICAL/ELECTRICAL IN THE WAY OF THE REMOVAL OF EXISTING AND INSTALLATION OF NEW ROOF.

UTILITY SHUT DOWNS:

- PROVIDE ONE WEEK NOTIFICATION TO COR FOR SHUT DOWN OF AIR INTAKE VENTS AND ASSOCIATED AIR HANDLING UNIT. NO SPRAYING OF PRODUCTS UNLESS V.A. INSPECTOR IS ON SITE WITH CONTRACTOR AND AIR INTAKES ARE COVERED. SCHEDULE SHUT DOWN AROUND HOSPITAL OPERATIONS AND THIS MAY NEED TO BE EVENINGS OR WEEKEND WORK.
- PROVIDE TEMPORARY BACK-UP SYSTEMS (EMERGENCY GENERATORS, CRITICAL EXHAUST OR AIR HANDLING SYSTEMS) FOR PROLONGED UTILITY SHUTDOWNS, NO EXCEPTIONS GIVEN WITHOUT COR APPROVAL.



NEW CONSTRUCTION NOTES: (NOT ALL NOTES ARE USED)

- LOCATION OF NEW PARAPET RAILING AS REQUIRED. COORDINATE EXACT LOCATION.
- LOCATION OF NEW CATWALK AS REQUIRED. COORDINATE EXACT LOCATION.
- LOCATION OF NEW ROOF DRAINS AS REQUIRED.
- LOCATION OF MAINTENANCE MATS. COORDINATE AROUND EQUIPMENT.
- LOCATION OF EXISTING SCUPPERS TO BE REPLACED WITH NEW.
- LOCATION OF NEW ROOF ACCESS AS REQUIRED.

NOT ALL ROOF DRAINS ARE SHOWN ON DRAWING. CONTRACTOR SHALL FIELD VERIFY.

NOT ALL EQUIPMENT HAVE BEEN PHOTOGRAPHED. CONTRACTOR SHALL FIELD VERIFY.

HATCHING SYMBOL IN KEY PLAN INDICATES NEW ROOF REQUIRED

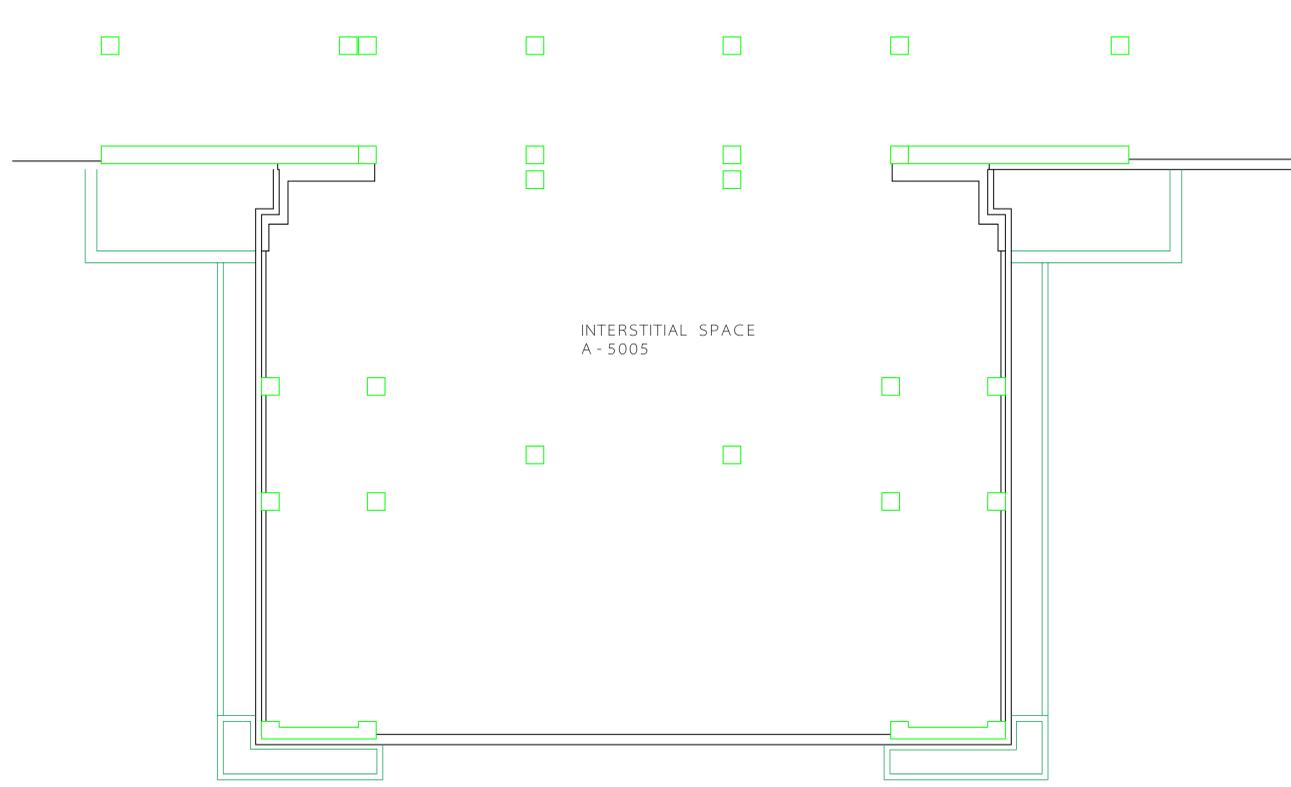
SOLID DOTS INDICATES ROOF DRAINS

ROOF DRAINS:
"NOT ALL ROOF DRAINS MAY BE SHOWN ON DRAWINGS." CONTRACTOR SHALL PROVIDE AN ADDITIONAL (5) ROOF DRAINS NOT SHOWN TO THE CONTRACT. FOR THE FINAL AS BUILT, CONTRACTOR SHALL PROVIDE LOCATIONS OF ROOF DRAINS TO THE V.A. ANY UNUSED ROOF DRAINS SHALL BE TURNED OVER TO THE VAMC.

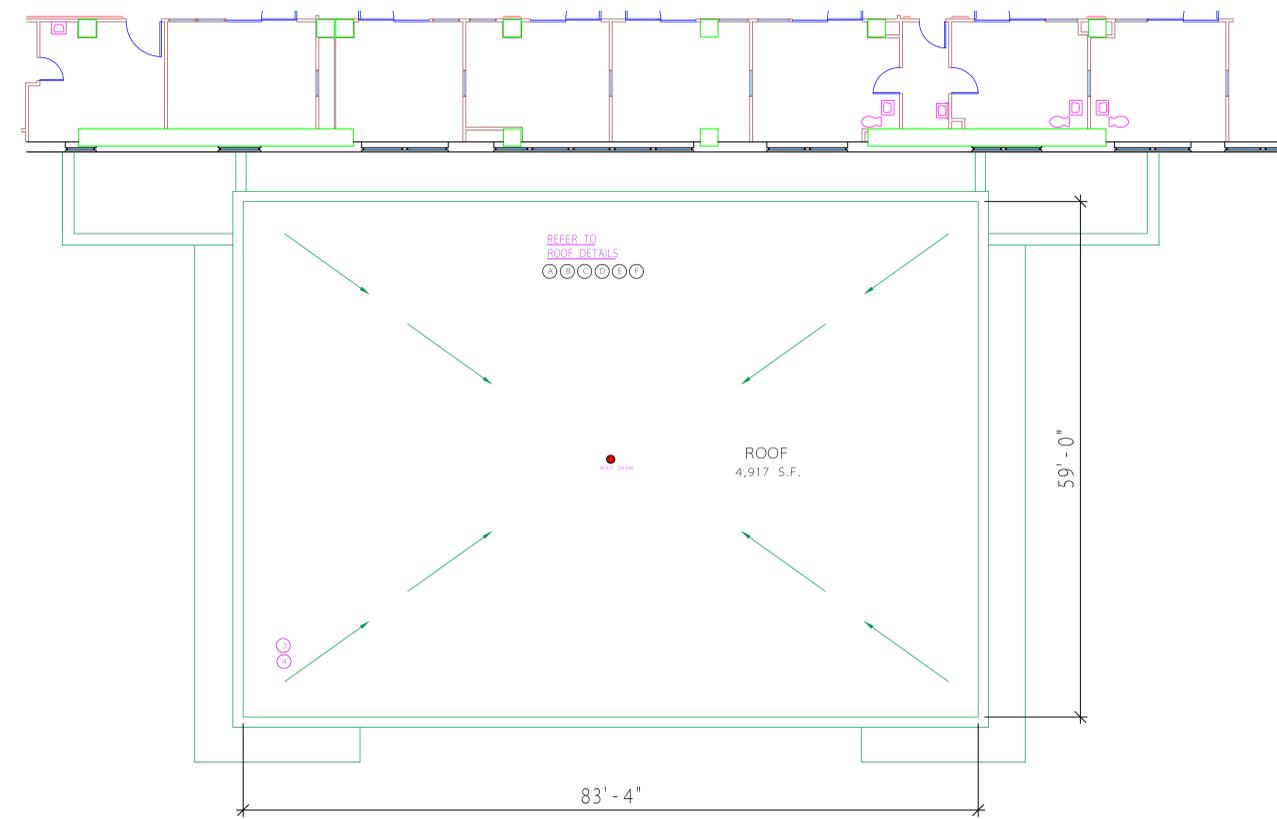
MAINTENANCE MATS:
"NOT ALL MAINTENANCE MATS MAY BE SHOWN ON DRAWINGS." CONTRACTOR SHALL PROVIDE AN ADDITIONAL (250) MAINTENANCE MATS NOT SHOWN TO THE CONTRACT. COORDINATE FINAL LOCATIONS WITH COR. FOR THE FINAL AS BUILT, CONTRACTOR SHALL PROVIDE LOCATIONS OF MAINTENANCE MATS TO THE V.A. ANY UNUSED MAINTENANCE MATS SHALL BE TURNED OVER TO THE VAMC.

Revisions: <table border="1"> <tr><th>Revisions</th><th>Date</th></tr> <tr><td>REVISIONS OF ROOF-SLOPE-ARROWS</td><td>12-15-2015</td></tr> </table>	Revisions	Date	REVISIONS OF ROOF-SLOPE-ARROWS	12-15-2015	PLOT DATE: MAY 13, 2014 CAD DRAWING FILE LOCATION: S:\PEDRO\FY14 PROJECTS\REPLACE ROOFS - BUILDING 1 (PVC)	ADDRESS: Richard L. Roudebush VA Medical Center 1481 W. 10th St. Indianapolis, Indiana 46202	NORTH REFERENCE: 	PROJECT ENGINEER: PEDRO MARISTELA	PROJECT MANAGER: GERALD MOORE	DRAWN BY: A. FERNANDEZ	Drawing Title ARCHITECTURAL ROOF AND FLOOR PLANS (SDS, HR/EMT, and C-SOUTH GENERATOR) Approved: Project Director	Project Title REPLACE ROOFS - BUILDING 1 (PVC)	Project Number 583-16-123 Building Number BUILDING #1	Engineering and Facilities Management Services Department of Veterans Affairs
Revisions	Date													
REVISIONS OF ROOF-SLOPE-ARROWS	12-15-2015													
								Location WEST TENTH STREET	Drawing Number A-101					
								Date MAY 13, 2014	Checked AF	Dwg. 2 of 10				

three eighths inch = one foot
 three quarters inch = one foot
 one and one half inches = one foot
 one inch = one foot
 one inch = one foot
 one inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot
 one eighth inch = one foot



3 FIFTH FLOOR PLAN (LEVEL BELOW ROOF)
 INTERSTITIAL SPACE
 SCALE: 1/8" = 1'-0"



3 SIXTH FLOOR ROOF PLAN (DRAINS)
 INTERSTITIAL SPACE
 SCALE: 1/8" = 1'-0"

GENERAL NOTES:

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- DISCONNECT, REMOVE AND REINSTALL EXISTING ELECTRICAL, HVAC, PLUMBING, EQUIPMENT, ETC.; INCLUDING BUT NOT LIMITED TO CONDUITS, WIRING, RAILING, STRUCTURAL MATERIAL AND LIGHTING PROTECTION.
- REFER TO ROOF DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION; INCLUDING EXISTING CONDUIT SUPPORTS AND PENETRATIONS. ALL ROOF PENETRATIONS SHALL BE SEALED FROM PEST / INSECT / WATER.
- CONTRACTOR SHALL SUBMIT DETAILED INSTALLATION DRAWINGS AND AS-BUILT FOR ALL ROOF REPLACEMENTS AS SHOWN AND SPECIFIED. DRAWINGS SHALL THE SUPPLIER, WARRANTY UNDERWRITER AND CONTRACTOR.
- CONTRACTOR SHALL PROVIDE MAINTENANCE WALKWAYS AS SHOWN, AND SPECIFIED IN DRAWINGS, DETAILS AND PHOTOS. WALKWAYS SHALL BE 30" WIDE BY 60" LONG MAX SECTION, 3mm THICK, INSTALLED PER MANUF. SPEC.
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- PROVIDE NEW FLASHING IN ALL ROOF PENETRATIONS.

GENERAL DEMOLITION NOTES:

- HATCHED AREA INDICATES PROJECT AREA (ROOF SYSTEM TO BE REMOVED DOWN TO METAL OR CONCRETE DECKS AND REPLACED) WITH NEW R40 THERMO PLASTIC MEMBRANE (PVC) ROOF SYSTEM. ALL MATERIALS TO BE REMOVED BY CONTRACTOR FROM SITE.
- ONLY REMOVE PORTIONS OF ROOF AREA SUCH THAT NEW ROOF CAN BE REINSTALLED BY THE END OF THE DAY. WORK AFTER HOURS WILL NEED TO BE APPROVED BY COR AND COORDINATED WITH VA POLICE AND VA CHILLER PLANT OPERATORS.
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- REMOVE OBSOLETE EQUIPMENT CURBS, RAILS, PENETRATIONS, COPING AND OTHER DAMAGED ROOF MATERIALS.
- REMOVE/REPLACE ALL MECHANICAL/ELECTRICAL IN THE WAY OF THE REMOVAL OF EXISTING AND INSTALLATION OF NEW ROOF.

UTILITY SHUT DOWNS:

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ROOF DRAINS:
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MAINTENANCE MATS:
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COORDINATE ALL WALKING MATS WITH COR.

MAINTENANCE MATS WILL BE INSTALLED SURROUNDING ALL MECHANICAL EQUIPMENT. PROVIDE UP TO 250. ADDITIONAL MAINTENANCE MATS NOT SHOWN ON DRAWINGS.

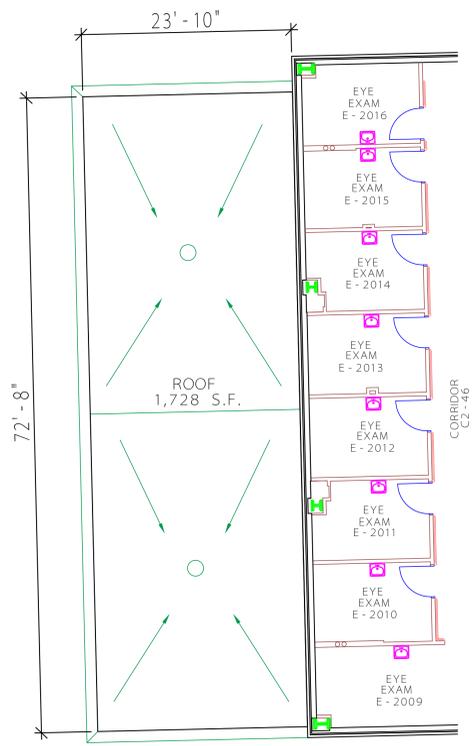
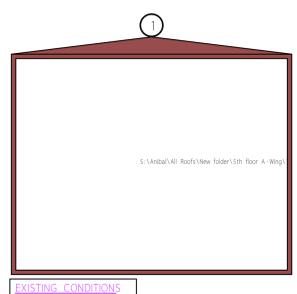
HATCHING SYMBOL IN KEY PLAN INDICATES NEW ROOF REQUIRED

NEW CONSTRUCTION NOTES: (NOT ALL NOTES ARE USED)

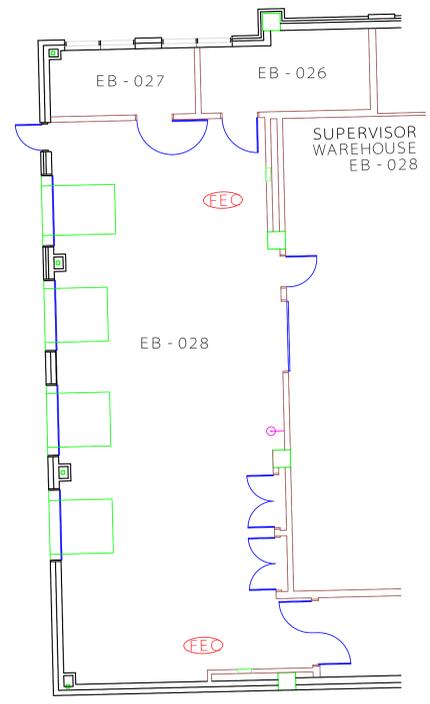
- LOCATION OF NEW PARAPET RAILING AS REQUIRED. COORDINATE EXACT LOCATION.
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- LOCATION OF NEW ROOF ACCESS AS REQUIRED.

NOT ALL ROOF DRAINS ARE SHOWN ON DRAWING. CONTRACTOR SHALL FIELD VERIFY.

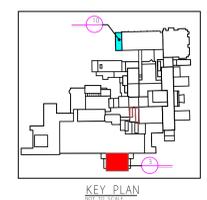
NOT ALL EQUIPMENT HAVE BEEN PHOTOGRAPHED. CONTRACTOR SHALL FIELD VERIFY.



10 FIRST FLOOR ROOF PLAN
 WAREHOUSE
 SCALE: 1/8" = 1'-0"

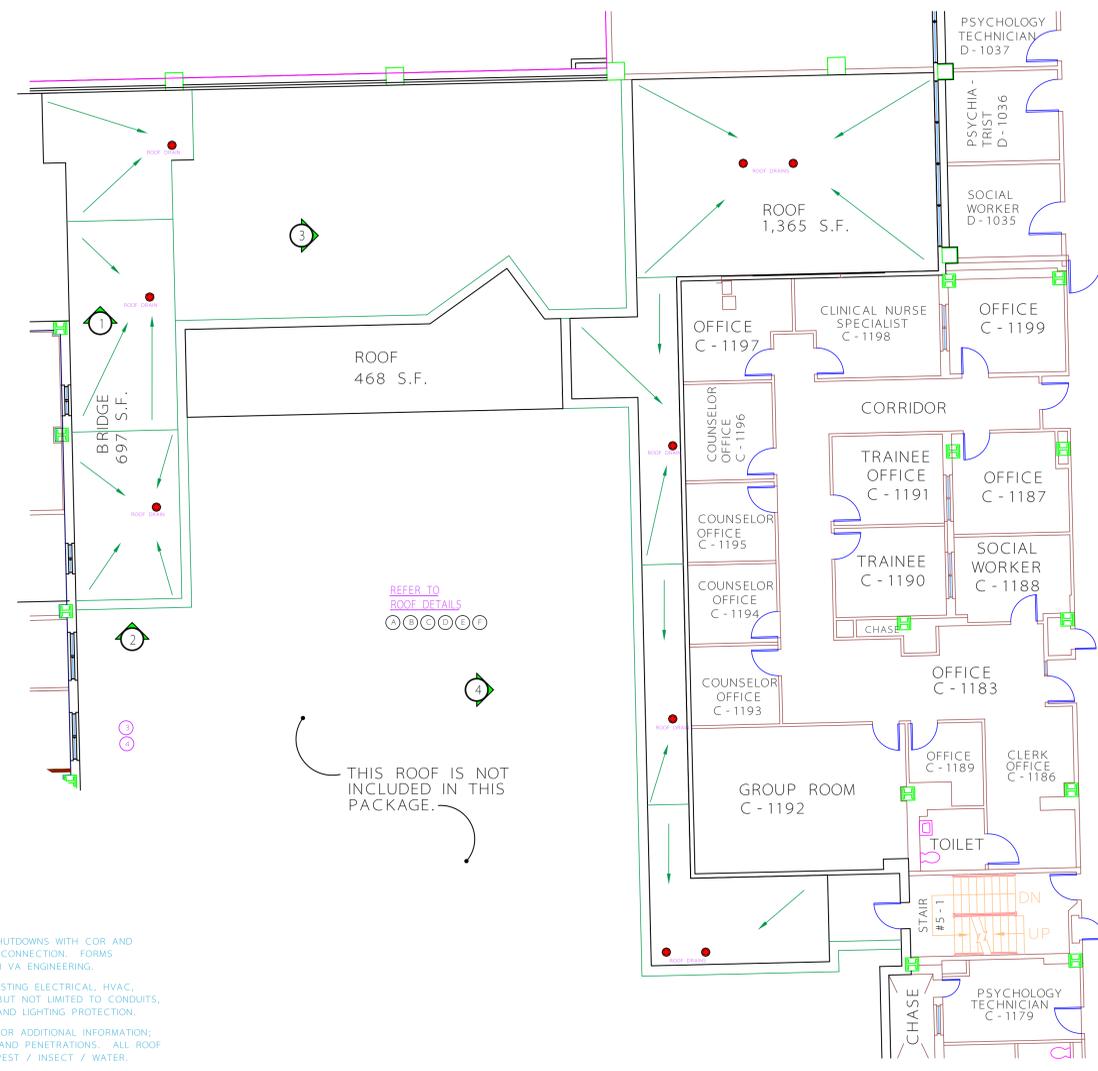


10 FIRST FLOOR ROOF PLAN (LEVEL BELOW)
 WAREHOUSE
 SCALE: 1/8" = 1'-0"

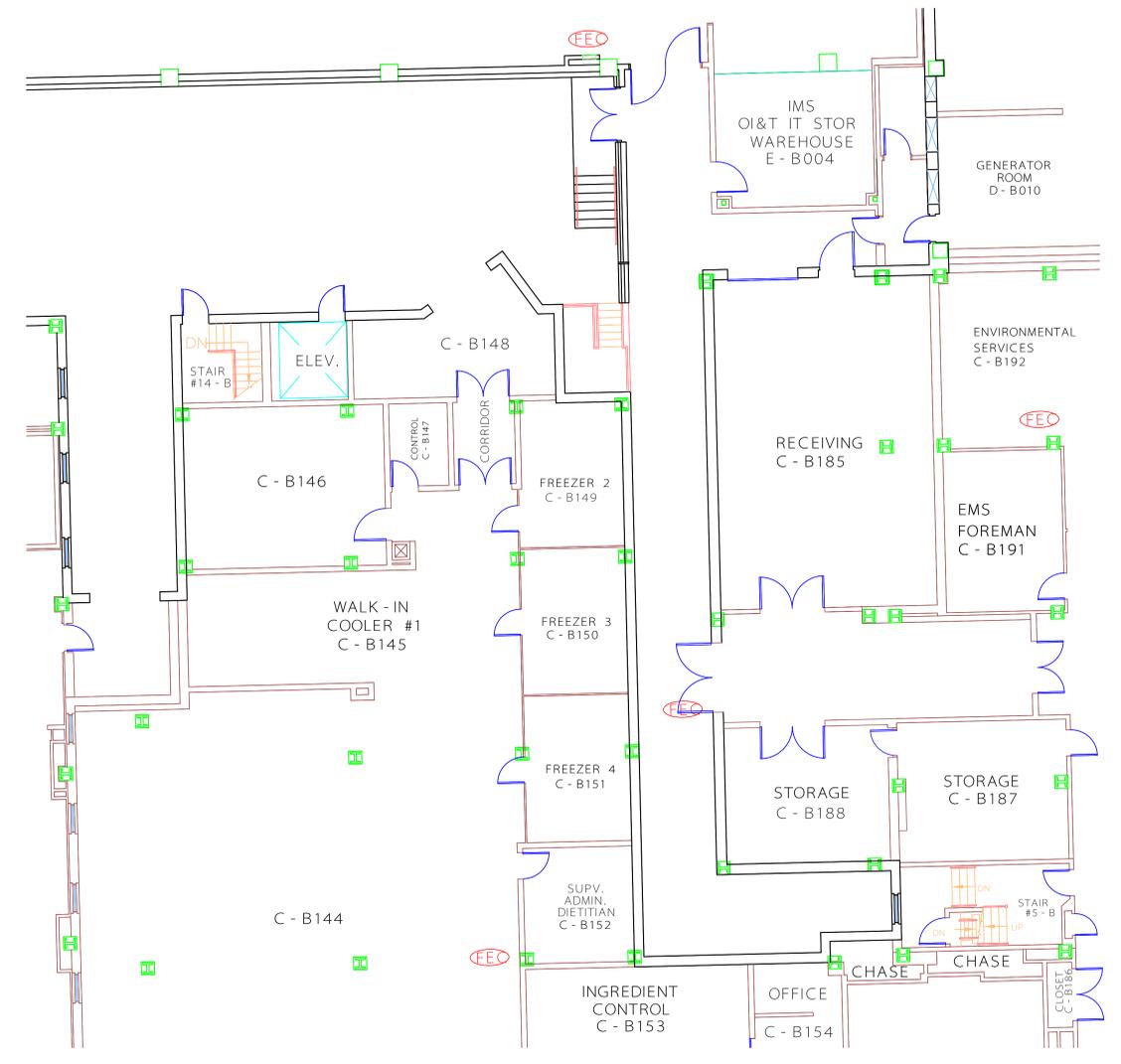


Revisions: REVISIONS OF ROOF SLOPE ARROWS	Date: 12-15-2015	PLOT DATE: PLOT DATE: MAY 13, 2014	ADDRESS: Richard L. Roudebush VA Medical Center 1481 W. 10th St. Indianapolis, Indiana 46202	NORTH REFERENCE 	PROJECT ENGINEER: PEDRO MARISTELA	PROJECT MANAGER: GERALD MOORE	DRAWN BY: A. FERNANDEZ	Drawing Title ARCHITECTUARL ROOF AND FLOOR PLANS (5th FLOOR A-WING)	Project Title REPLACE ROOFS - BUILDING 1 (P)	Project Number 583 - 16 - 123	Engineering and Facilities Management Services Department of Veterans Affairs
		CAD DRAWING FILE LOCATION: S:\PEDRO\FY14 PROJECTS\REPLACE ROOFS - BUILDING 1 (PVC)					Approved: Project Director	Location WEST TENTH STREET	Drawing Number A-103	Dwg. 4 10of	
							Date MAY 13, 2014	Checked AF			

three eighths inch = one foot
 one eighth inch = one foot
 one quarter inch = one foot
 three quarters inch = one foot
 one inch = one foot
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 three inches = one foot



REFER TO ROOF DETAILS
 THIS ROOF IS NOT INCLUDED IN THIS PACKAGE.



GENERAL NOTES:

- COORDINATE ALL UTILITY / EQUIPMENT SHUTDOWNS WITH COR AND VA ENGINEERING ONE WEEK PRIOR TO DISCONNECTION. FORMS MUST BE FILLED OUT AND IN PLACE WITH VA ENGINEERING.
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- REMOVE AND REINSTALL NEW ROOF DRAINS IN PROJECT HATCHED AREA. REPLACEMENT OF DRAINS SHALL BE COORDINATED WITH COR AND VA ENGINEERING. TO ACCESS FLOOR BELOW DIRECTLY BELOW WHICH DRAIN ENTERS IN THE HOSPITAL. PROVIDE SLOPE DRAINAGE DRAWING PRIOR TO INSTALLATION.
- SCUPPERS SHALL BE REPLACED WITH NEW SCUPPERS PER DETAIL AND SPECIFICATIONS, IF APPLICABLE TO EITHER WEST 10TH STREET.
- REMOVE OBSOLETE EQUIPMENT CURBS, RAILS, PENETRATIONS, COPING AND OTHER DAMAGED ROOF MATERIALS.
- REMOVE/REPLACE ALL MECHANICAL/ELECTRICAL IN THE WAY OF THE REMOVAL OF EXISTING AND INSTALLATION OF NEW ROOF.

UTILITY SHUT-DOWNS:

- PROVIDE ONE WEEK NOTIFICATION TO COR FOR SHUT DOWN OF AIR INTAKE VENTS AND ASSOCIATED AIR HANDLING UNIT. NO SPRAYING OF PRODUCTS UNLESS V.A. INSPECTOR IS ON SITE WITH CONTRACTOR AND AIR INTAKES ARE COVERED. SCHEDULE SHUT DOWN AROUND HOSPITAL OPERATIONS AND THIS MAY NEED TO BE EVENINGS OR WEEKEND WORK.
- PROVIDE TEMPORARY BACK-UP SYSTEMS (EMERGENCY GENERATORS, CRITICAL EXHAUST OR AIR HANDLING SYSTEMS) FOR PROLONGED UTILITY SHUTDOWNS, NO EXCEPTIONS GIVEN WITHOUT COR APPROVAL.

7 8 9 FIRST FLOOR ROOF PLAN (DRAINS)
 CANTEN/OIT STORAGE AREA AND BRIDGE
 SCALE: 1/8" = 1'-0"

COORDINATE ALL WALKING MATS WITH COR.
MAINTENANCE MATS WILL BE INSTALLED SURROUNDING ALL MECHANICAL EQUIPMENT. PROVIDE UP TO 250. ADDITIONAL MAINTENANCE MATS NOT SHOWN ON DRAWINGS.

HATCHING SYMBOL IN KEY PLAN INDICATES NEW ROOF REQUIRED

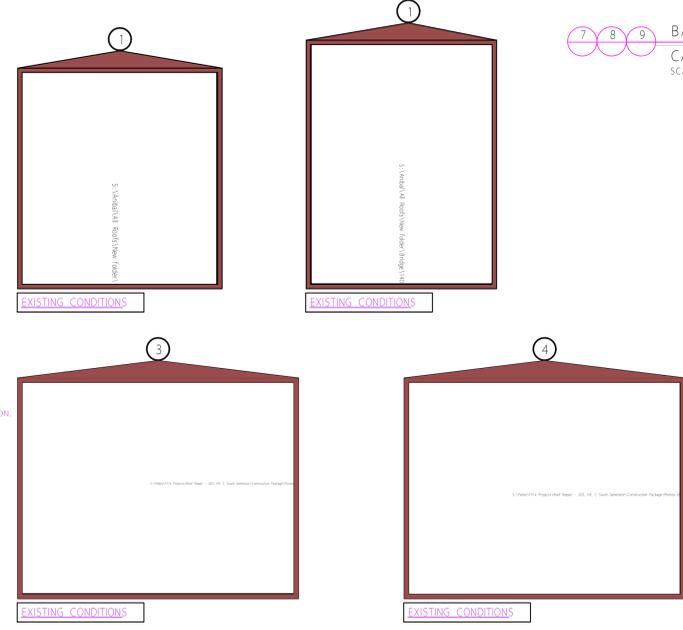
ROOF DRAINS:
 "NOT ALL ROOF DRAINS MAY BE SHOWN ON DRAWINGS." CONTRACTOR SHALL PROVIDE AN ADDITIONAL (5) ROOF DRAINS NOT SHOWN TO THE CONTRACTOR FOR THE FINAL AS-BUILT. CONTRACTOR SHALL PROVIDE LOCATIONS OF ROOF DRAINS TO THE V.A. ANY UNUSED ROOF DRAINS SHALL BE TURNED OVER TO THE V.A.M.C."

MAINTENANCE MATS:
 "NOT ALL MAINTENANCE MATS MAY BE SHOWN ON DRAWINGS." CONTRACTOR SHALL PROVIDE AN ADDITIONAL (250) MAINTENANCE MATS NOT SHOWN TO THE CONTRACTOR. COORDINATE FINAL LOCATIONS WITH COR. FOR THE FINAL AS-BUILT, CONTRACTOR SHALL PROVIDE LOCATIONS OF MAINTENANCE MATS TO THE V.A. ANY UNUSED MAINTENANCE MATS SHALL BE TURNED OVER TO THE V.A.M.C."

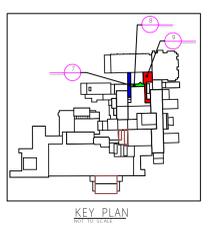
NEW CONSTRUCTION NOTES: (NOT ALL NOTES ARE USED)
 ○ LOCATION OF NEW PARAPET RAILING AS REQUIRED. COORDINATE EXACT LOCATION.
 ○ LOCATION OF NEW CATWALK AS REQUIRED. COORDINATE EXACT LOCATION.
 ○ LOCATION OF NEW ROOF DRAINS AS REQUIRED.
 ○ LOCATION OF MAINTENANCE MATS. COORDINATE AROUND EQUIPMENT.
 ○ LOCATION OF EXISTING SCUPPERS TO BE REPLACED WITH NEW.
 ○ LOCATION OF NEW ROOF ACCESS AS REQUIRED.

NOT ALL ROOF DRAINS ARE SHOWN ON DRAWING. CONTRACTOR SHALL FIELD VERIFY.

NOT ALL EQUIPMENT HAVE BEEN PHOTOGRAPHED. CONTRACTOR SHALL FIELD VERIFY.

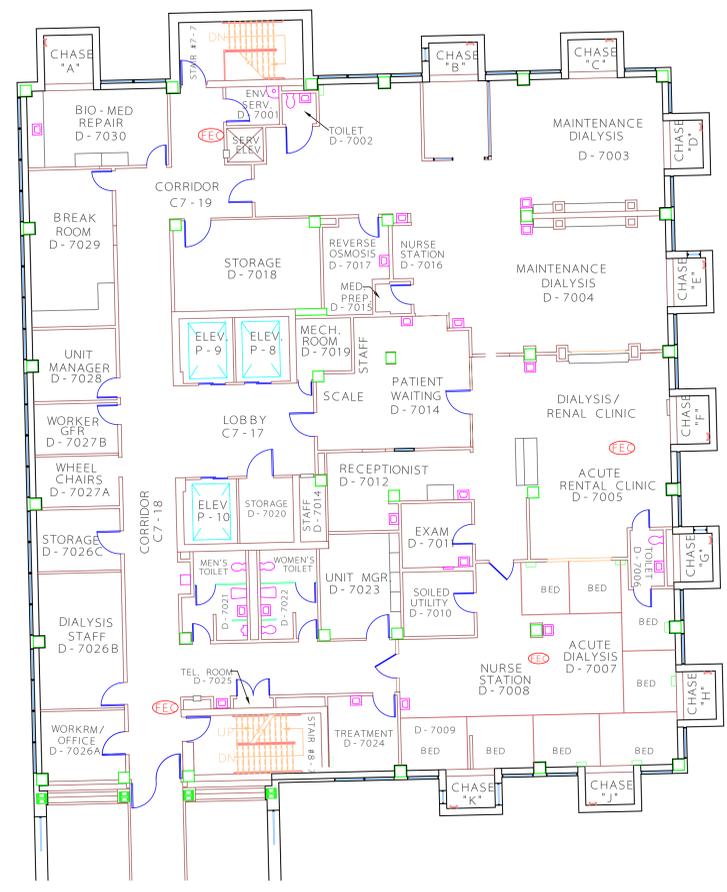


7 8 9 BASEMENT LEVEL (LEVEL BELOW ROOF)
 CANTEN/OIT STORAGE AREAS
 SCALE: 1/8" = 1'-0"



Revisions: REVISIONS OF ROOF SLOPE ARROWS	Date: 12-15-2015	PLOT DATE: MAY 13, 2014	ADDRESS: Richard L. Roudebush VA Medical Center 1481 W. 10th St. Indianapolis, Indiana 46202	NORTH REFERENCE	PROJECT ENGINEER: PEDRO MARISTELA	PROJECT MANAGER: GERALD MOORE	DRAWN BY: A. FERNANDEZ	Drawing Title: ARCHITECTUARL ROOF AND FLOOR PLANS (DOCK AND BRIDGE)	Project Title: REPLACE ROOFS - BUILDING 1 (P)	Project Number: 583-16-123 Building Number: BUILDING #1	Engineering and Facilities Management Services
		CAD DRAWING FILE LOCATION: S:\PEDRO\FY14 PROJECTS\REPLACE ROOFS - BUILDING 1 (PVC)						Approved: Project Director	Location: WEST TENTH STREET	Drawing Number: A-104	Department of Veterans Affairs
								Date: MAY 13, 2014	Checked: AF	Drawn: AF	

three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot



11 DEMOLITION D WING ROOF PLAN
 EXISTING MECHANICAL EQUIPMENT
 N.T.S.

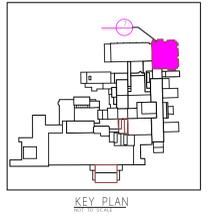
11 DEMOLITION D WING ROOF PLAN
 SEVENTH FLOOR PLAN (LEVEL BELOW ROOF)
 SCALE: 3/32" = 1'-0"

GENERAL DEMOLITION NOTES:

1. CONTRACTOR WILL PROVIDE PROTECTION TO NEWLY INSTALLED ROOF SYSTEM ON TOP OF D-WING ROOF.
2. CONTRACTOR WILL PROVIDE NECESSARY SAFETY EQUIPMENT AND PPE FOR DOING WORK ON TOP OF D-WING ROOF DUE TO EXISTING EXHAUST SYSTEM.
3. CONTRACTOR WILL FIELD VERIFY EXISTING AIR HANDLING UNIT (AHU) ON TOP OF THE D-WING ROOF WITH COR.
4. CONTRACTOR WILL VERIFY WITH VAMC ENGINEERING ON DISCONNECTING ALL ELECTRICAL AND MECHANICAL FEEDS TO THE EXISTING AHU.
5. CONTRACTOR WILL REMOVE ALL ASSOCIATED EQUIPMENT AS PART OF THE AHU INCLUDING DUCT WORK, PIPING, ELECTRICAL CONDUIT/WIRING BACK TO SOURCE.
6. CONTRACTOR WILL PROVIDE NEW ROOF SYSTEM REMOVED DURING DEMOLITION. EXISTING ROOF SYSTEM IS AN R-40 FOAM ROOF SYSTEM.

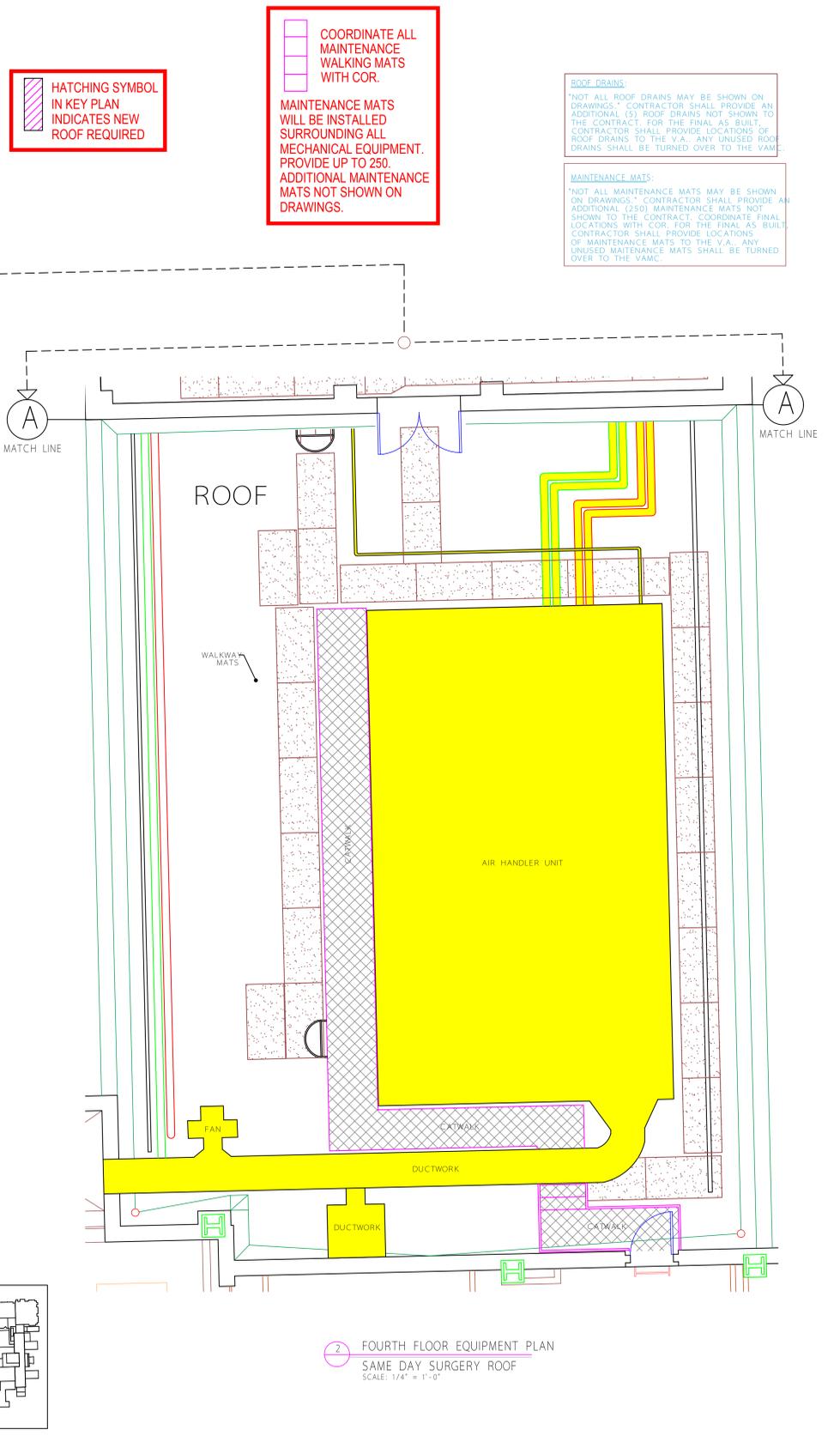
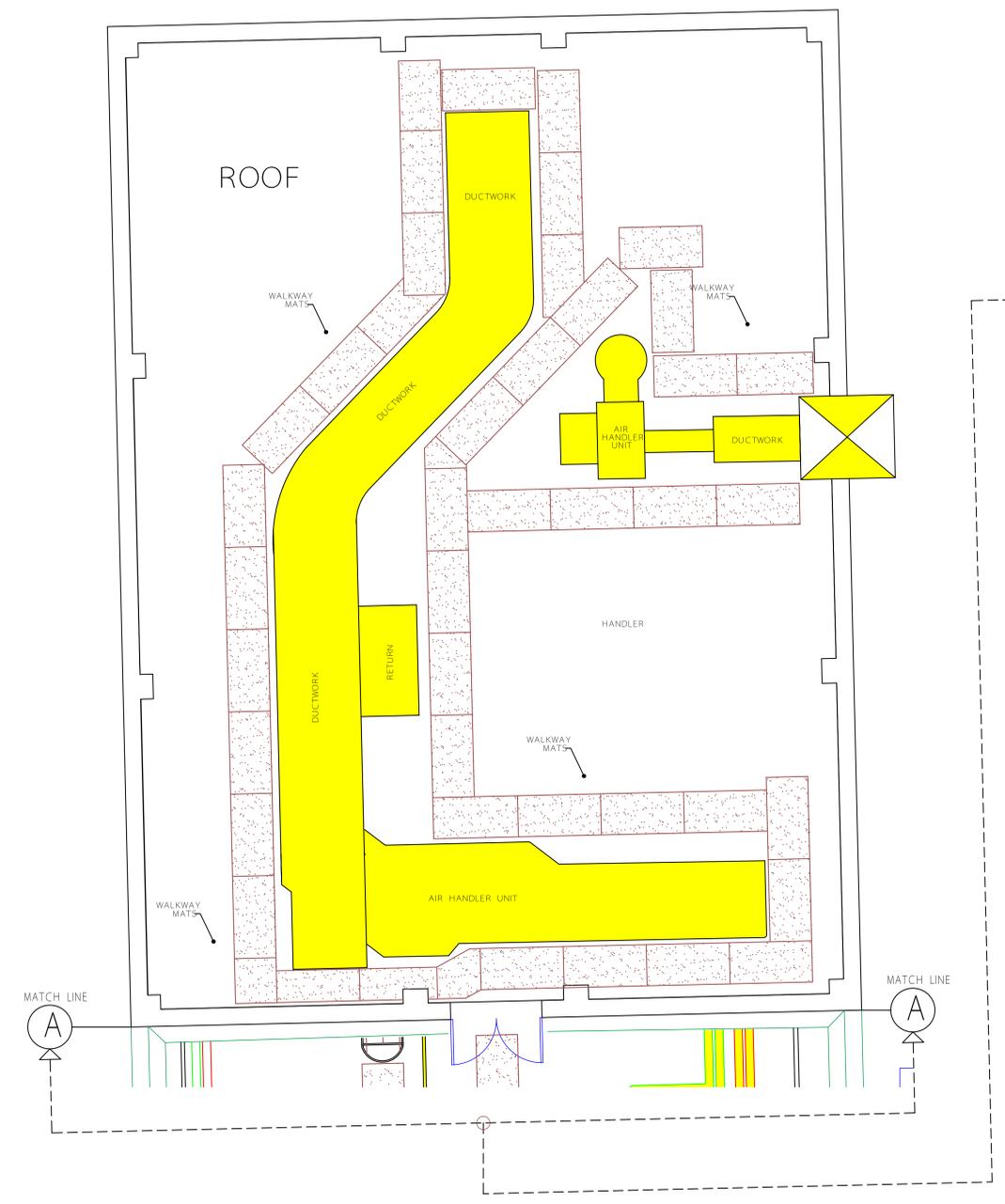
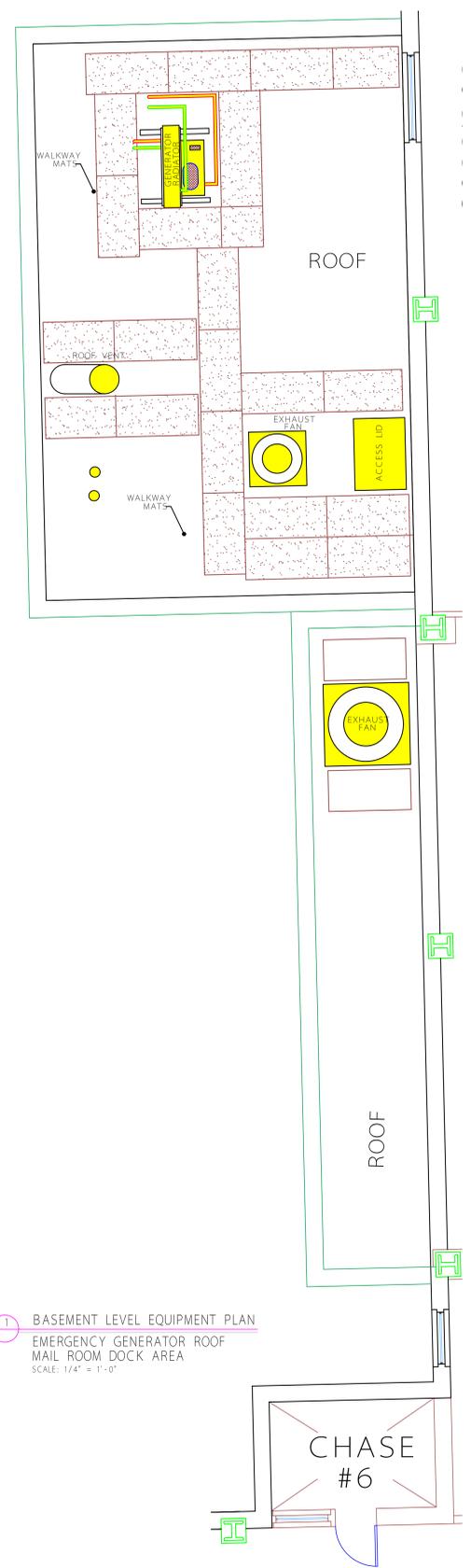
GENERAL PLAN NOTES:

1. REMOVE ALL ASSOCIATED EQUIPMENT AS PART OF AIR HANDLING UNIT (AHU) BACK TO SOURCE.
2. REMOVE ALL ASSOCIATED TRASH AND DEBRIS CREATED FROM THE REMOVAL OF THE EXISTING AHU.
3. CONTRACTOR TO REMOVE DUCT WORK AS SHOWN ON DRAWINGS, BACK TO SOURCE. CAP EXISTING DUCT PRIOR TO ENTRANCE TO THE HOSPITAL. CONTRACTOR WILL FIELD VERIFY ALL LOCATIONS PRIOR TO BID.
4. CONTRACTOR TO REMOVE PIPING SHOWN AS SHOWN ON DRAWINGS, BACK TO SOURCE. CONTRACTOR WILL FIELD VERIFY ALL LOCATIONS PRIOR TO BID.
5. CONTRACTOR TO REMOVE AHU AS SHOWN ON DRAWINGS. CONTRACTOR WILL FIELD VERIFY ALL LOCATIONS PRIOR TO BID.
6. CONTRACTOR TO REMOVE ELECTRICAL INCLUDING CONDUIT, WIRING, DISCONNECTS AND CONTROLS AS SHOWN ON DRAWINGS, BACK TO SOURCE. CONTRACTOR WILL FIELD VERIFY ALL LOCATIONS PRIOR TO BID.
7. CONTRACTOR TO REPAIR EXISTING ROOF AFTER AHU IS REMOVED. CONTRACTOR WILL PROVIDE THE FOLLOWING:
 - A. FULLY ADHERED SPRAYED-FORM ROOF SYSTEM.
 - B. FOAM ROOF SYSTEM TO BE RATED R-40 INSULATION VALUE.
 - C. ALL PENETRATIONS SHALL BE SEALED WITH FIRE STOPPING (HILTI IS AN APPROVED PRODUCT USED IN THE VAMC).
 - D. CONTRACTOR WILL NOT REMOVE ROOF MATERIAL UNLESS ABLE TO REPAIR IN THE SAME DAY.
 - E. CONTRACTOR WILL NOT REMOVE MATERIAL IF RAIN IS IN THE FORECAST WITHIN THE TIME AHU IS BEING REMOVED.
 - F. CONTRACTOR WILL PROVIDE PREVENTIVE MEASURES FOR UNEXPECTED RAIN. COVER ALL ROOF HOLES AND PENETRATIONS WITH PLASTIC.



Revisions:	Date	PLOT DATE: PLOT DATE: MAY 13, 2014	ADDRESS: Richard L. Roudebush VA Medical Center 1481 W. 10th St. Indianapolis, Indiana 46202	NORTH REFERENCE 	PROJECT ENGINEER: PEDRO MARISTELA	PROJECT MANAGER: GERALD MOORE	DRAWN BY: A. FERNANDEZ	Drawing Title DEMOLITION D-WING ROOF AIR HANDLING UNIT	Project Title REPLACE ROOFS - BUILDING 1 (P)	Project Number 583-16-123 Building Number BUILDING #1	Engineering and Facilities Management Services
		CAD DRAWING FILE LOCATION: S:\PEDRO\FY14 PROJECTS\REPLACE ROOFS - BUILDING 1 (PVC)						Approved: Project Director	Location WEST TENTH STREET	Drawing Number D-101 7FY014	Department of Veterans Affairs
									Date MAY 13, 2014	Checked AF	Dwg. 6 100f

three inches = one foot
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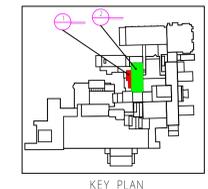
HATCHING SYMBOL
 IN KEY PLAN
 INDICATES NEW
 ROOF REQUIRED

COORDINATE ALL
 MAINTENANCE
 WALKING MATS
 WITH COR.
 MAINTENANCE MATS
 WILL BE INSTALLED
 SURROUNDING ALL
 MECHANICAL EQUIPMENT.
 PROVIDE UP TO 250.
 ADDITIONAL MAINTENANCE
 MATS NOT SHOWN ON
 DRAWINGS.

ROOF DRAINS:
 *NOT ALL ROOF DRAINS MAY BE SHOWN ON
 DRAWINGS. CONTRACTOR SHALL PROVIDE AN
 ADDITIONAL (5) ROOF DRAINS NOT SHOWN TO
 THE CONTRACT. FOR THE FINAL AS BUILT,
 CONTRACTOR SHALL PROVIDE LOCATIONS OR
 ROOF DRAINS TO THE V.A. ANY UNUSED ROOF
 DRAINS SHALL BE TURNED OVER TO THE VAMC.

MAINTENANCE MATS:
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- GENERAL NOTES:**
- COORDINATE ALL UTILITY / EQUIPMENT SHUTDOWNS WITH COR AND VA ENGINEERING ONE WEEK PRIOR TO DISCONNECTION. FORMS MUST BE FILLED OUT AND IN PLACE WITH VA ENGINEERING.
 - DISCONNECT, REMOVE AND REINSTALL EXISTING ELECTRICAL, HVAC, PLUMBING, EQUIPMENT, ETC.; INCLUDING BUT NOT LIMITED TO CONDUITS, WIRING, RAILING, STRUCTURAL MATERIAL AND LIGHTING PROTECTION.
 - REFER TO ROOF DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION; INCLUDING EXISTING CONDUIT SUPPORTS AND PENETRATIONS. ALL ROOF PENETRATIONS SHALL BE SEALED FROM PEST / INSECT / WATER.
 - CONTRACTOR SHALL SUBMIT DETAILED INSTALLATION DRAWINGS AND AS-BUILT FOR ALL ROOF REPLACEMENTS AS SHOWN AND SPECIFIED. DRAWINGS SHALL THE SUPPLIER, WARRANTY UNDERWRITER AND CONTRACTOR.
 - CONTRACTOR SHALL PROVIDE MAINTENANCE WALKWAYS AS SHOWN, AND SPECIFIED IN DRAWINGS, DETAILS AND PHOTOS. WALKWAYS SHALL BE 48" WIDE BY 48" LONG MAX SECTION, 3mm THICK, INSTALLED PER MANUF. SPEC.
 - CRANE LOCATIONS SHALL BE COORDINATED ONE WEEK PRIOR TO ARRIVAL.
 - REMOVE AND REPLACE ALL ROOF DRAINS UP TO 5'-0". COORDINATE ABOVE CEILING WORK WITH COR SO THAT NOTIFICATION CAN BE PROVIDED TO THE SERVICE BELOW. INFECTION CONTROL BARRIERS ARE REQUIRED FOR WORKING INSIDE HOSPITAL AND ABOVE CEILING WORK.
 - PROVIDE NEW FLASHING IN ALL ROOF PENETRATIONS.



Revisions:	Date	PLOT DATE: PLOT DATE: MAY 13, 2014	ADDRESS: Richard L. Roudebush VA Medical Center 1481 W. 10th St. Indianapolis, Indiana 46202	NORTH REFERENCE 	PROJECT ENGINEER: PEDRO MARISTELA	PROJECT MANAGER: GERALD MOORE	DRAWN BY: A. FERNANDEZ	Drawing Title MECHANICAL ROOF PLANS (SAME DAY SURGERY and C-SOUTH GENERATOR)	Project Title REPLACE ROOFS - BUILDING 1 (P)	Project Number 583-16-123	Engineering and Facilities Management Services 	
		CAD DRAWING FILE LOCATION: S:\VPEDRO\FY14 PROJECTS\REPLACE ROOFS - BUILDING 1 (PVC)						Approved: Project Director	Location WEST TENTH STREET	Building Number BUILDING #1		
									Date MAY 13, 2014	Checked AF		Drawing Number M-101
												Dwg. 7 of 10

three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
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ROOF DRAINS:
 NOT ALL ROOF DRAINS MAY BE SHOWN ON DRAWINGS. CONTRACTOR SHALL PROVIDE AN ADDITIONAL (5) ROOF DRAINS NOT SHOWN TO THE CONTRACT, FOR THE FINAL AS-BUILT. CONTRACTOR SHALL PROVIDE LOCATIONS OF ROOF DRAINS TO THE V.A. ANY UNUSED ROOF DRAINS SHALL BE TURNED OVER TO THE VAMC.

MAINTENANCE MATS:
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COORDINATE ALL WALKING MATS WITH COR.

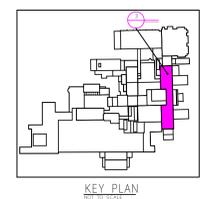
MAINTENANCE MATS WILL BE INSTALLED SURROUNDING ALL MECHANICAL EQUIPMENT. PROVIDE UP TO 250 ADDITIONAL MAINTENANCE MATS NOT SHOWN ON DRAWINGS.

HATCHING SYMBOL IN KEY PLAN INDICATES NEW ROOF REQUIRED

GENERAL NOTES:

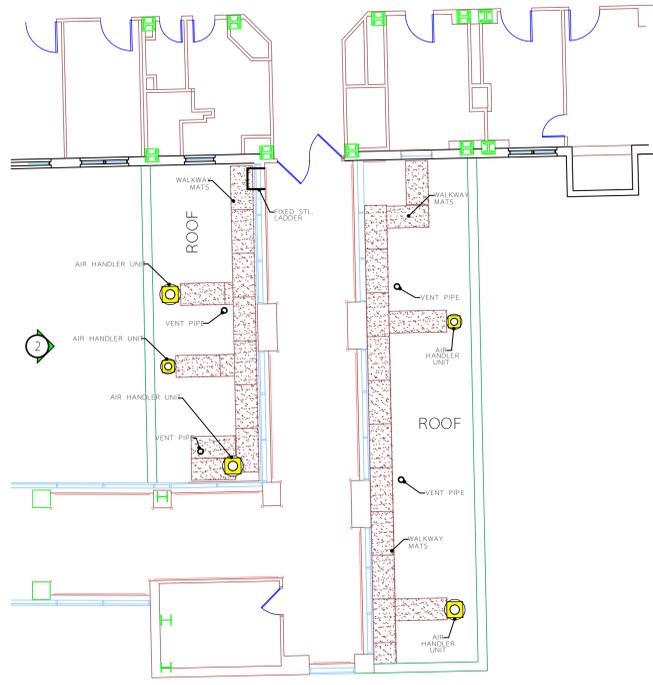
- COORDINATE ALL UTILITY / EQUIPMENT SHUTDOWNS WITH COR AND VA ENGINEERING ONE WEEK PRIOR TO DISCONNECTION. FORMS MUST BE FILLED OUT AND IN PLACE WITH VA ENGINEERING.
- DISCONNECT, REMOVE AND REINSTALL EXISTING ELECTRICAL, HVAC, PLUMBING, EQUIPMENT, ETC. INCLUDING BUT NOT LIMITED TO CONDUITS, WIRING, RAILING, STRUCTURAL MATERIAL AND LIGHTING PROTECTION.
- REFER TO ROOF DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION; INCLUDING EXISTING CONDUIT SUPPORTS AND PENETRATIONS. ALL ROOF PENETRATIONS SHALL BE SEALED FROM PEST / INSECT / WATER.
- CONTRACTOR SHALL SUBMIT DETAILED INSTALLATION DRAWINGS AND AS-BUILT FOR ALL ROOF REPLACEMENTS AS SHOWN AND SPECIFIED. DRAWINGS SHALL THE SUPPLIER, WARRANTY UNDERWRITER AND CONTRACTOR.
- CONTRACTOR SHALL PROVIDE MAINTENANCE WALKWAYS AS SHOWN, AND SPECIFIED IN DRAWINGS, DETAILS AND PHOTOS. WALKWAYS SHALL BE 48" WIDE BY 48" LONG MAX SECTION, 3mm THICK, INSTALLED PER MANUF. SPEC.
- CRANE LOCATIONS SHALL BE COORDINATED ONE WEEK PRIOR TO ARRIVAL.
- REMOVE AND REPLACE ALL ROOF DRAINS UP TO 5'-0". COORDINATE ABOVE CEILING WORK WITH COR SO THAT NOTIFICATION CAN BE PROVIDED TO THE SERVICE BELOW. INFECTION CONTROL BARRIERS ARE REQUIRED FOR WORKING INSIDE HOSPITAL AND ABOVE CEILING WORK.
- PROVIDE NEW FLASHING IN ALL ROOF PENETRATIONS.

3 NINTH FLOOR EQUIPMENT PLAN
 HR AND CHIEF OF STAFF OFFICES
 SCALE: 3/16" = 1'-0"

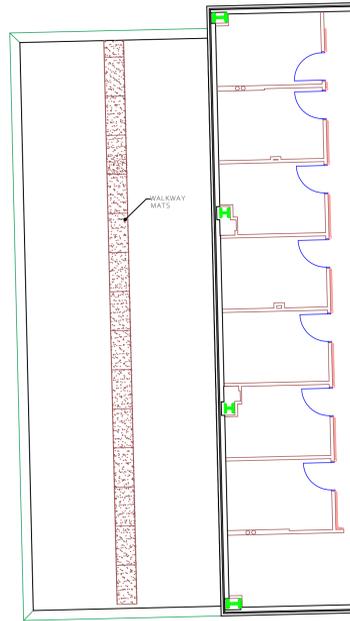


Revisions:	Date	PLOT DATE: PLOT DATE: MAY 13, 2014	ADDRESS: Richard L. Roudebush VA Medical Center 1481 W. 10th St. Indianapolis, Indiana 46202	NORTH REFERENCE 	PROJECT ENGINEER: PEDRO MARISTELA	PROJECT MANAGER: GERALD MOORE	DRAWN BY: A. FERNANDEZ	Drawing Title MECHANICAL ROOF PLANS (HR and EMT)	Project Title REPLACE ROOFS - BUILDING 1 (P)	Project Number 583-16-123	Engineering and Facilities Management Services
		CAD DRAWING FILE LOCATION: S:\VPEDRO\FY14 PROJECTS\REPLACE ROOFS - BUILDING 1 (PVC)					Approved: Project Director	Location WEST TENTH STREET	Drawing Number M-102	Building Number BUILDING #1	
							Date MAY 13, 2014	Checked	Drawn AF	Dwg. 8 10of	

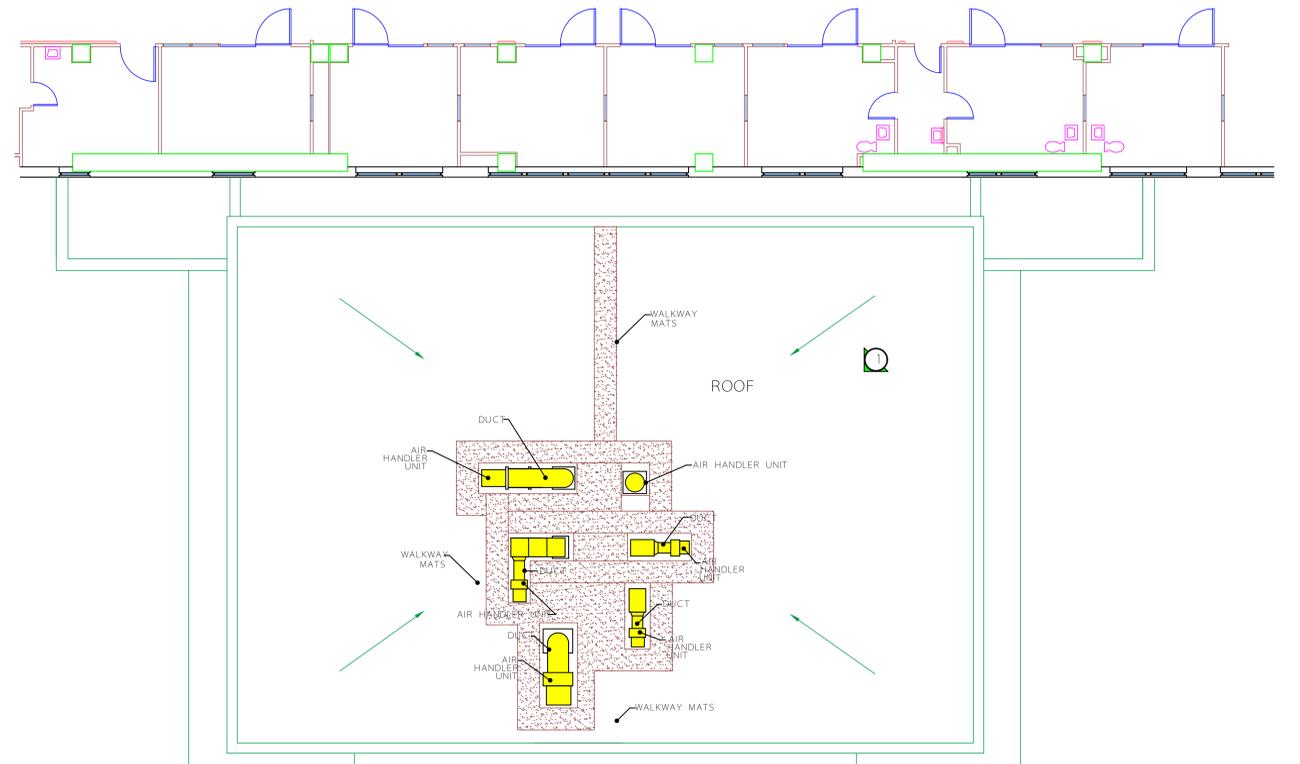
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1 EIGHTH FLOOR ROOF PLAN (EQUIPMENT)
RESEARCH LAB
SCALE: 1/8" = 1'-0"



10 FIRST FLOOR ROOF PLAN (NO EQUIPMENT)
WAREHOUSE
SCALE: 1/8" = 1'-0"



3 SIXTH FLOOR ROOF PLAN (EQUIPMENT)
INTERSTITIAL SPACE
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- COORDINATE ALL UTILITY / EQUIPMENT SHUTDOWNS WITH COR AND VA ENGINEERING ONE WEEK PRIOR TO DISCONNECTION. FORMS MUST BE FILLED OUT AND IN PLACE WITH VA ENGINEERING.
- DISCONNECT, REMOVE AND REINSTALL EXISTING ELECTRICAL, HVAC, PLUMBING, EQUIPMENT, ETC.; INCLUDING BUT NOT LIMITED TO CONDUITS, WIRING, RAILING, STRUCTURAL MATERIAL AND LIGHTING PROTECTION.
- REFER TO ROOF DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION; INCLUDING EXISTING CONDUIT SUPPORTS AND PENETRATIONS. ALL ROOF PENETRATIONS SHALL BE SEALED FROM PEST / INSECT / WATER.
- CONTRACTOR SHALL SUBMIT DETAILED INSTALLATION DRAWINGS AND AS-BUILT FOR ALL ROOF REPLACEMENTS AS SHOWN AND SPECIFIED. DRAWINGS SHALL THE SUPPLIER, WARRANTY UNDERWRITER AND CONTRACTOR.
- CONTRACTOR SHALL PROVIDE MAINTENANCE WALKWAYS AS SHOWN, AND SPECIFIED IN DRAWINGS, DETAILS AND PHOTOS. WALKWAYS SHALL BE 30" WIDE BY 60" LONG MAX SECTION, 3mm THICK, INSTALLED PER MANUF. SPEC.
- CRANE LOCATIONS SHALL BE COORDINATED ONE WEEK PRIOR TO ARRIVAL.
- REMOVE AND REPLACE ALL ROOF DRAINS UP TO 5'-0". COORDINATE ABOVE CEILING WORK WITH COR SO THAT NOTIFICATION CAN BE PROVIDED TO THE SERVICE BELOW. INFECTION CONTROL BARRIERS ARE REQUIRED FOR WORKING INSIDE HOSPITAL AND ABOVE CEILING WORK.
- PROVIDE NEW FLASHING IN ALL ROOF PENETRATIONS.

GENERAL DEMOLITION NOTES:

- HATCHED AREA INDICATES PROJECT AREA (ROOF SYSTEM TO BE REMOVED DOWN TO METAL OR CONCRETE DECKS AND REPLACED WITH NEW R40 THERMO PLASTIC MEMBRANE (PVC) ROOF SYSTEM. ALL MATERIALS TO BE REMOVED BY CONTRACTOR FROM SITE.
- ONLY REMOVE PORTIONS OF ROOF AREA SUCH THAT NEW ROOF CAN BE REINSTALLED BY THE END OF THE DAY. WORK AFTER HOURS WILL NEED TO BE APPROVED BY COR AND COORDINATED WITH VA POLICE AND VA CHILLER PLANT OPERATORS.
- SEAL ALL WALL MASONRY WHICH ARE PERPENDICULAR TO ROOF (TO AVOID PEST/INSECT/WATER FROM PENETRATING DOWN THE WALL. IF APPLICABLE, WHEN ROOF IS DEMOLISHED, CONCRETE DECK SHALL BE SEAL COATED AND EPOXY COATED TO SEAL ALL CRACKS IN DECK. REMOVE DAMAGED CAPSTONE. PROVIDE UP TO 100 PIECES PER 1000 SQUARE FOOT OF ROOF AREA.
- REMOVE AND REINSTALL NEW ROOF DRAINS IN PROJECT HATCHED AREA. REPLACEMENT OF DRAINS SHALL BE COORDINATED WITH COR AND VA ENGINEERING. TO ACCESS FLOOR BELOW DIRECTLY BELOW WHICH DRAIN ENTERS IN THE HOSPITAL. PROVIDE SLOPE DRAINAGE DRAWING PRIOR TO INSTALLATION.
- SCUPPERS SHALL BE REPLACED WITH NEW SCUPPERS PER DETAIL AND SPECIFICATIONS, IF APPLICABLE TO EITHER WEST 10TH STREET.
- REMOVE OBSOLETE EQUIPMENT CURBS, RAILS, PENETRATIONS, COPING AND OTHER DAMAGED ROOF MATERIALS.
- REMOVE/REPLACE ALL MECHANICAL/ELECTRICAL IN THE WAY OF THE REMOVAL OF EXISTING AND INSTALLATION OF NEW ROOF.

UTILITY SHUT DOWNS:

- PROVIDE ONE WEEK NOTIFICATION TO COR FOR SHUT DOWN OF AIR INTAKE VENTS AND ASSOCIATED AIR HANDLING UNIT. NO SPRAYING OF PRODUCTS UNLESS V.A. INSPECTOR IS ON SITE WITH CONTRACTOR AND AIR INTAKES ARE COVERED. SCHEDULE SHUT DOWN AROUND HOSPITAL OPERATIONS AND THIS MAY NEED TO BE EVENINGS OR WEEKEND WORK.
- PROVIDE TEMPORARY BACK-UP SYSTEMS (EMERGENCY GENERATORS, CRITICAL EXHAUST OR AIR HANDLING SYSTEMS) FOR PROLONGED UTILITY SHUTDOWNS. NO EXCEPTIONS GIVEN WITHOUT COR APPROVAL.

NEW CONSTRUCTION NOTES: (NOT ALL NOTES ARE USED)

- ① LOCATION OF NEW PARAPET RAILING AS REQUIRED. COORDINATE EXACT LOCATION.
- ② LOCATION OF NEW CATWALK AS REQUIRED. COORDINATE EXACT LOCATION.
- ③ LOCATION OF NEW ROOF DRAINS AS REQUIRED.
- ④ LOCATION OF MAINTENANCE MATS. COORDINATE AROUND EQUIPMENT.
- ⑤ LOCATION OF EXISTING SCUPPERS TO BE REPLACED WITH NEW.
- ⑥ LOCATION OF NEW ROOF ACCESS AS REQUIRED.

NOT ALL ROOF DRAINS ARE SHOWN ON DRAWING. CONTRACTOR SHALL FIELD VERIFY.

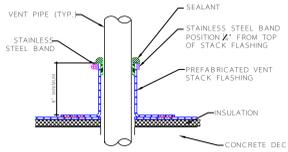
NOT ALL EQUIPMENT HAVE BEEN PHOTOGRAPHED. CONTRACTOR SHALL FIELD VERIFY.

HATCHING SYMBOL IN KEY PLAN INDICATES NEW ROOF REQUIRED

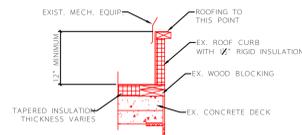
SOLID DOTS INDICATES ROOF DRAINS

ROOF DRAINS:
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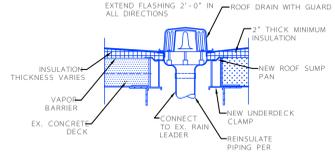
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A VENT THRU ROOF DETAIL
SCALE: 3/4" = 1'-0"



B ROOF CURB
SCALE: 3/4" = 1'-0"

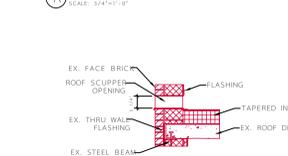


C ROOF DRAIN
SCALE: 3/4" = 1'-0"

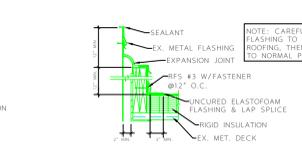
NOTE: MEMBRANE ATTACHMENT AROUND THE PENETRATION WILL BE THE SAME AS THE DECK MEMBRANE, 18" ON CENTER, AND MINIMUM ONE PLATE / FASTENER PER FLASHING.

NOTE: CAREFULLY BEND FLASHING TO INSTALL ROOFING, THEN REINSTALL TO NORMAL POSITION.

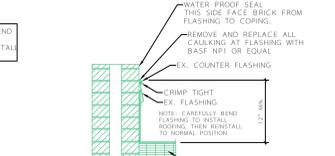
NOTE: REPLACE ANY FIRE PROOFING DAMAGED DURING DRAIN REMOVAL.



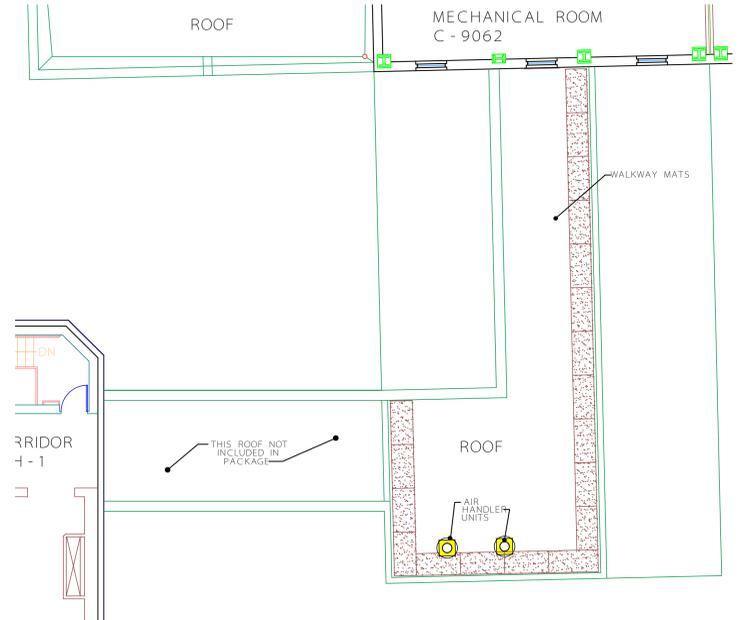
D SCUPPER DETAIL
SCALE: 3/4" = 1'-0"



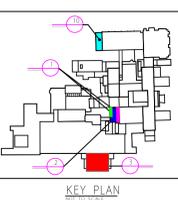
E DECK TO WALL EXP. JOINT
SCALE: 3/4" = 1'-0"



F FLASHING DETAIL
SCALE: 3/4" = 1'-0"

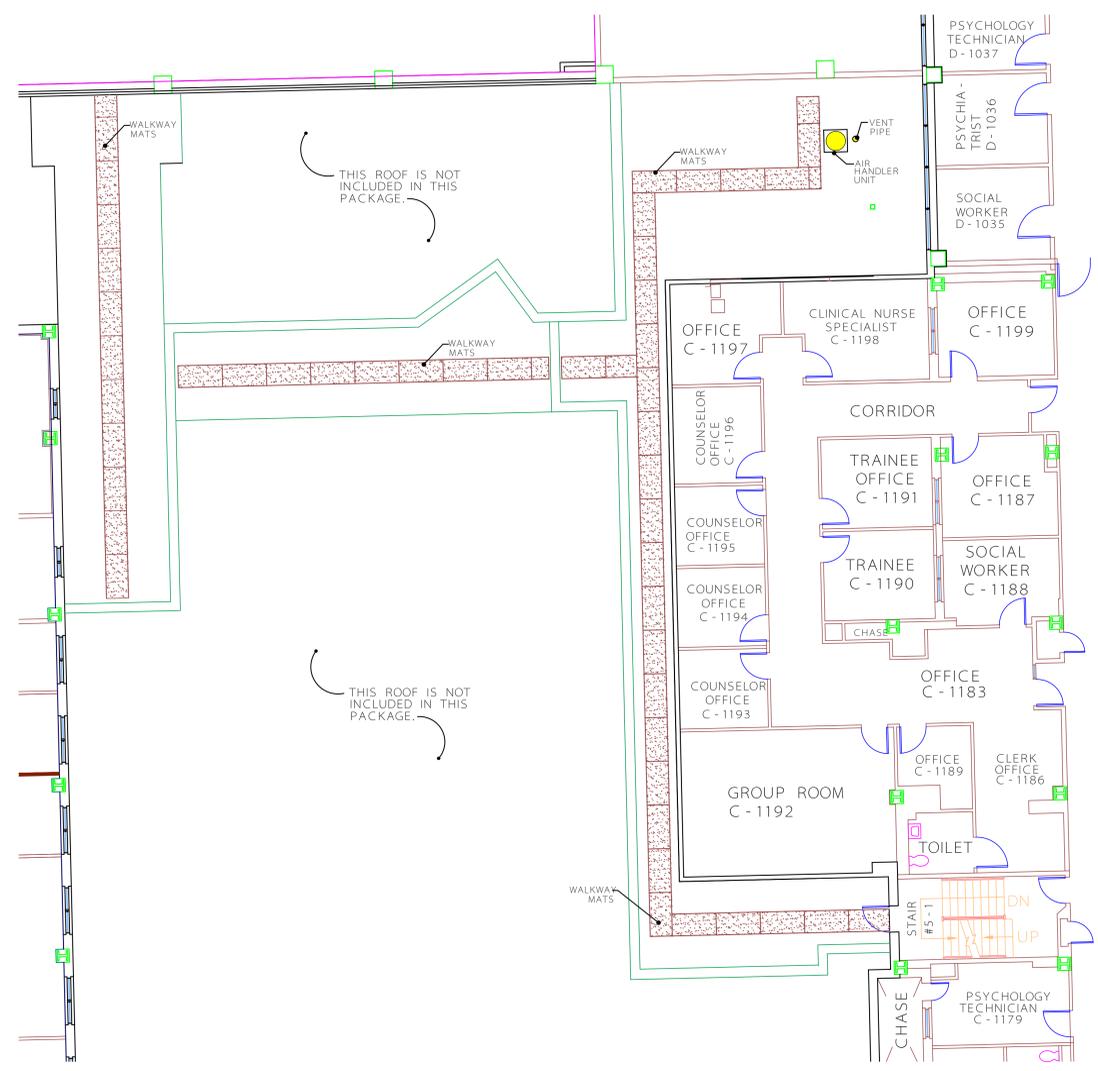


2 NINTH FLOOR ROOF PLAN (EQUIPMENT)
CORRIDOR C8 - 5A
SCALE: 1/8" = 1'-0"



Revisions:	Date	PLOT DATE:	ADDRESS:	NORTH REFERENCE	PROJECT ENGINEER:	PROJECT MANAGER:	DRAWN BY:	Drawing Title	Project Title	Project Number	Engineering and Facilities Management Services Department of Veterans Affairs
		PLOT DATE: MAY 13, 2014	Richard L. Roudebush VA Medical Center 1481 W. 10th St. Indianapolis, Indiana 46202		PEDRO MARISTELA	GERALD MOORE	A. FERNANDEZ	MECHANICAL ROOF PLANS (7th, 8th and 5th FLOOR A-WING)	REPLACE ROOFS - BUILDING 1 (P)	583-16-123	
		CAD DRAWING FILE LOCATION: S:\PEDRO\FY14 PROJECTS\REPLACE ROOFS - BUILDING 1 (PVC)						Approved: Project Director	Location WEST TENTH STREET	Building Number BUILDING #1	
									Date MAY 13, 2014	Checked AF	
										Drawing Number M-103	
										7FY014	
										Dwg. 9 of 10f	

three eighths inch = one foot
 one eighth inch = one foot
 one quarter inch = one foot
 three quarters inch = one foot
 one inch = one foot
 one and one half inches = one foot
 three inches = one foot



7 8 9 FIRST FLOOR ROOF PLAN (EQUIPMENT)
 CANTEEN/OIT STORAGE AREAS
 SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- COORDINATE ALL UTILITY / EQUIPMENT SHUTDOWNS WITH COR AND VA ENGINEERING ONE WEEK PRIOR TO DISCONNECTION. FORMS MUST BE FILLED OUT AND IN PLACE WITH VA ENGINEERING.
- DISCONNECT, REMOVE AND REINSTALL EXISTING ELECTRICAL, HVAC, PLUMBING, EQUIPMENT, ETC., INCLUDING BUT NOT LIMITED TO CONDUITS, WIRING, RAILING, STRUCTURAL MATERIAL AND LIGHTING PROTECTION.
- REFER TO ROOF DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION, INCLUDING EXISTING CONDUIT SUPPORTS AND PENETRATIONS. ALL ROOF PENETRATIONS SHALL BE SEALED FROM PEST / INSECT / WATER.
- CONTRACTOR SHALL SUBMIT DETAILED INSTALLATION DRAWINGS AND AS-BUILT FOR ALL ROOF REPLACEMENTS AS SHOWN AND SPECIFIED. DRAWINGS SHALL THE SUPPLIER, WARRANTY UNDERWRITER AND CONTRACTOR.
- CONTRACTOR SHALL PROVIDE MAINTENANCE WALKWAYS AS SHOWN, AND SPECIFIED IN DRAWINGS, DETAILS AND PHOTOS. WALKWAYS SHALL BE 30" WIDE BY 60" LONG MAX SECTION, 3mm THICK, INSTALLED PER MANUF. SPEC.
- CRANE LOCATIONS SHALL BE COORDINATED ONE WEEK PRIOR TO ARRIVAL.
- REMOVE AND REPLACE ALL ROOF DRAINS UP TO 5'-0". COORDINATE ABOVE CEILING WORK WITH COR SO THAT NOTIFICATION CAN BE PROVIDED TO THE SERVICE BELOW. INFECTION CONTROL BARRIERS ARE REQUIRED FOR WORKING INSIDE HOSPITAL AND ABOVE CEILING WORK.
- PROVIDE NEW FLASHING IN ALL ROOF PENETRATIONS.

GENERAL DEMOLITION NOTES:

- HATCHED AREA INDICATES PROJECT AREA (ROOF SYSTEM TO BE REMOVED DOWN TO METAL OR CONCRETE DECKS AND REPLACED) WITH NEW R40 THERMO PLASTIC MEMBRANE (PVC) ROOF SYSTEM. ALL MATERIALS TO BE REMOVED BY CONTRACTOR FROM SITE.
- ONLY REMOVE PORTIONS OF ROOF AREA SUCH THAT NEW ROOF CAN BE REINSTALLED BY THE END OF THE DAY. WORK AFTER HOURS WILL NEED TO BE APPROVED BY COR AND COORDINATED WITH VA POLICE AND VA CHILLER PLANT OPERATORS.
- SEAL ALL WALL MASONRY WHICH ARE PERPENDICULAR TO ROOF (TO AVOID PEST/INSECT/WATER FROM PENETRATING DOWN THE WALL. IF APPLICABLE, WHEN ROOF IS DEMOLISHED, CONCRETE DECK SHALL BE SEAL COATED AND EPOXY COATED TO SEAL ALL CRACKS IN DECK. REMOVE DAMAGED CAPSTONE. PROVIDE UP TO 100 PIECES PER 1000 SQUARE FOOT OF ROOF AREA.
- REMOVE AND REINSTALL NEW ROOF DRAINS IN PROJECT HATCHED AREA. REPLACEMENT OF DRAINS SHALL BE COORDINATED WITH COR AND VA ENGINEERING, TO ACCESS FLOOR BELOW DIRECTLY BELOW WHICH DRAIN ENTERS IN THE HOSPITAL. PROVIDE SLOPE DRAINAGE DRAWING PRIOR TO INSTALLATION.
- SCUPPERS SHALL BE REPLACED WITH NEW SCUPPERS PER DETAIL AND SPECIFICATIONS, IF APPLICABLE TO EITHER WEST 10TH STREET.
- REMOVE OBSOLETE EQUIPMENT CURBS, RAILS, PENETRATIONS, COPING AND OTHER DAMAGED ROOF MATERIALS.
- REMOVE/REPLACE ALL MECHANICAL/ELECTRICAL IN THE WAY OF THE REMOVAL OF EXISTING AND INSTALLATION OF NEW ROOF.

UTILITY SHUT-DOWNS:

- PROVIDE ONE WEEK NOTIFICATION TO COR FOR SHUT DOWN OF AIR INTAKE VENTS AND ASSOCIATED AIR HANDLING UNIT. NO SPRAYING OF PRODUCTS UNLESS V.A. INSPECTOR IS ON SITE WITH CONTRACTOR AND AIR INTAKES ARE COVERED. SCHEDULE SHUT DOWN AROUND HOSPITAL OPERATIONS AND THIS MAY NEED TO BE EVENINGS OR WEEKEND WORK.
- PROVIDE TEMPORARY BACK-UP SYSTEMS (EMERGENCY GENERATORS, CRITICAL EXHAUST OR AIR HANDLING SYSTEMS) FOR PROLONGED UTILITY SHUTDOWNS, NO EXCEPTIONS GIVEN WITHOUT COR APPROVAL.

COORDINATE ALL WALKING MATS WITH COR.
MAINTENANCE MATS WILL BE INSTALLED SURROUNDING ALL MECHANICAL EQUIPMENT. PROVIDE UP TO 250. ADDITIONAL MAINTENANCE MATS NOT SHOWN ON DRAWINGS.

HATCHING SYMBOL IN KEY PLAN INDICATES NEW ROOF REQUIRED

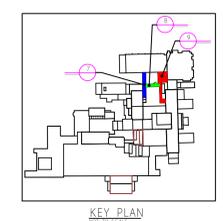
ROOF DRAINS:
 NOT ALL ROOF DRAINS MAY BE SHOWN ON DRAWINGS. CONTRACTOR SHALL PROVIDE AN ADDITIONAL (5) ROOF DRAINS NOT SHOWN TO THE CONTRACTOR FOR THE FINAL AS-BUILT. CONTRACTOR SHALL PROVIDE LOCATIONS OF ROOF DRAINS TO THE V.A. ANY UNUSED ROOF DRAINS SHALL BE TURNED OVER TO THE V.A.M.C.

MAINTENANCE MATS:
 NOT ALL MAINTENANCE MATS MAY BE SHOWN ON DRAWINGS. CONTRACTOR SHALL PROVIDE AN ADDITIONAL (250) MAINTENANCE MATS NOT SHOWN TO THE CONTRACTOR. COORDINATE FINAL LOCATIONS WITH COR. FOR THE FINAL AS-BUILT, CONTRACTOR SHALL PROVIDE LOCATIONS OF MAINTENANCE MATS TO THE V.A. ANY UNUSED MAINTENANCE MATS SHALL BE TURNED OVER TO THE V.A.M.C.

- NEW CONSTRUCTION NOTES:** (NOT ALL NOTES ARE USED)
- LOCATION OF NEW PARAPET RAILING AS REQUIRED. COORDINATE EXACT LOCATION.
 - LOCATION OF NEW CATWALK AS REQUIRED. COORDINATE EXACT LOCATION.
 - LOCATION OF NEW ROOF DRAINS AS REQUIRED.
 - LOCATION OF MAINTENANCE MATS. COORDINATE AROUND EQUIPMENT.
 - LOCATION OF EXISTING SCUPPERS TO BE REPLACED WITH NEW.
 - LOCATION OF NEW ROOF ACCESS AS REQUIRED.

NOT ALL ROOF DRAINS ARE SHOWN ON DRAWINGS. CONTRACTOR SHALL FIELD VERIFY.

NOT ALL EQUIPMENT HAVE BEEN PHOTOGRAPHED. CONTRACTOR SHALL FIELD VERIFY.



Revisions:	Date	PLOT DATE: PLOT DATE: MAY 13, 2014	ADDRESS: Richard L. Roudebush VA Medical Center 1481 W. 10th St. Indianapolis, Indiana 46202	NORTH REFERENCE 	PROJECT ENGINEER: PEDRO MARISTELA	PROJECT MANAGER: GERALD MOORE	DRAWN BY: A. FERNANDEZ	Drawing Title MECHANICAL ROOF PLANS (DOCK AND BRIDGE)	Project Title REPLACE ROOFS - BUILDING 1 (P)	Project Number 583-16-123	Engineering and Facilities Management Services Department of Veterans Affairs
		CAD DRAWING FILE LOCATION: S:\PEDRO\FY14 PROJECTS\REPLACE ROOFS - BUILDING 1 (PVC)						Approved: Project Director	Location WEST TENTH STREET	Building Number BUILDING #1	
									Date MAY 13, 2014	Drawing Number M-104	
									Checked AF	Dwg. 10 10of	