FOR:

CAPTAIN JAMES A. LOVELL FEDERAL HEALTH CARE CENTER

100% ISSUE FOR BID SET
MAY 17, 2013
VA# 556-12-127
BANCROFT # 12-119

ADDRESS:

3001 GREEN BAY ROAD
NORTH CHICAGO, IL 60064

PROJECT DESCRIPTION:

BUILDING 133 OR-GI-ON
2ND AND 3RD FLOORS RENOVATIONS

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ONCOLOGY DEPARTMENT (ON)

ARCHITECTURAL

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MEDICAL GAS

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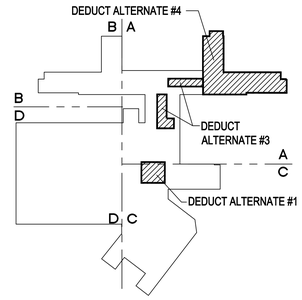
MG-ON-201	THIRD FLOOR NEW MEDICAL GAS PLAN

FIRE PROTECTION

FP-ON-201	THIRD FLOOR NEW SPRINKLER PLAN
FP-ON-501	SPRINKLER DETAILS

AREA MAP

DEDUCT ALTERNATES



DEDUCT ALTERNATE #1- SCOPE- AREA WEST OF SURGERY

TYPE OF WORK	DESCRIPTION OF WORK TO BE DEDUCTED
DEDUCT DEMO OF EXISTING VINYL FLOOR	CONTRACTOR WILL REMOVE AND DISPOSE OF THE VCT IN A SAFE MANNER. REMAINING MASTIC WILL BE REMOVED TO ENSURE A SMOOTH SURFACE FOR INSTALLATION OF A NEW FLOOR.
DEDUCT DEMO OF EXISTING WALL COVERINGS	REMOVE AND DISPOSE OF FABRIC TYPE WALL TREATMENTS WHERE APPLICABLE. MATERIAL CAN BE REMOVED AS A SHEET WITH A CAREFUL MANNER. WALL SHOULD BE SANDED SMOOTH AND ALL REMAINING ADHEASIVE REMOVED IN PREPARATION OF PAINTING.
DEDUCT DEMO OF BASE MOLDING	REMOVE IN A CAREFUL MANNER BASE MOLDING
DEDUCT DEMO EXISTING SUSPENDED CEILING AND GRID	N/A
DEDUCT DEMO AND DISPOSAL OF EXISTING CEILING LIGHT FIXTURES	REMOVE AND DISPOSE OF ALL CEILING LIGHTING FIXTURES. CONTRACTOR WILL DISPOSE OF BULBS IN A SAFE AND RESPONSIBLE MANNER.
DEDUCT DEMO OF CPVC FIRE PROTECTION PIPE	N/A - EXISTING TO REMAIN
DEDUCT DEMO OF DUCT WORK	N/A
DEDUCT DEMO OF ELECTRICAL	MINOR ELECTRICAL REMOVAL MODIFICATIONS TO THE ELECTRICAL SHOULD BE INCLUDED IN BASE BID. WHIPS FEEDING EXISTING LIGHTING SHOULD REMAIN AND MADE SAFE FOR FUTURE USE. EXISTING WALL SWITCHS AND RECEPTICALS SHOULD REMAIN IN PLACE, MADE SAFE FOR FUTURE USE.
DEDUCT WALLS- PREP	CONTRACTOR WILL INSTALL NEW SHORT WALL AND PATCH AND REPAIR WALLS AS NEEDED PRIOR TO PAINTING. ALL WALL SURFACES SHOULD BE SMOOTH AND FREE OF DEFECTS.
DEDUCT WALLS-PAINTING	CONTRACTOR WILL PAINT THE WALLS PER FINISH ROOM SCHEDULE AND APPLICABLE SPEC.
DEDUCT WALLS- VINYL TRIM	CONTRACTOR WILL INSTALL NEW BASE TRIM PER FINISH ROOM SCHEDULE AND APPLICABLE SPEC.
DEDUCT CEILING – GYP.	PATCH AND REPAIR AS REQUIRED
DEDUCT FIXTURES	CONTRACTOR WILL ENSURE THAT ALL EXISTING WALL AND CEILING MOUNTED DEVICES (example- EXIT SIGNS) WILL REMAIN IN PLACE IN A FUNCTIONAL MANNER, BE KEPT CLEAN AND UNDAMAGED IN ANY WAY.
DEDUCT LIGHTING	CONTRACTOR WILL INSTALL NEW LIGHTING FIXTURES PER SCHEDULE. TO MATCH NEW ADJACENT FIXTURES
DEDUCT DOORS AND HARDWARE	EXISTING FRAMES TO REMAIN FOR PATHOLOGY OFFICE. USE EXISTING TOILET ROOM DOOR, NEW DOOR INTO SMALL HALLWAY. PAINT FRAMES TO MATCH FINISH PLAN.

DEDUCT ALTERNATE #2 - SCOPE- ONCOLOGY PNEUMATIC TUBE SYSTEM

TYPE OF WORK	DESCRIPTION OF WORK TO BE DEDUCTED
DEDUCT THE PURCHASE AND INSTALL OF A NEW EXTENSION TO THE EXISTING PNEUMATIC TUBE DELIVERY SYSTEM	EXISTING PNEUMATIC SYSTEM WILL BE EXTENDED TO SERVICE THE AREAS AS SHOWN ON SHEET G-009. INSTALLATION IS A COMPLETE TURN KEY INCLUDING ALL ENGINEERING, CONTROLS, COMPONENTS AND DE-BUGGING. CORING AND INSTALLATION OF ALL CONNECTING 6" TUBING RESPONSIBILITY OF SYSTEM SUPPLIER THROUGH THE GC.
DEDUCT FINISH CARPENTRY	WORK INCLUDES ROUGH IN FOR SENDRECEIVE STATIONS, TRIM WORK AS REQUIRED AND PAINTING
DEDUCT ELECTRICAL	PROVIDE ELECTRICAL SERVICE AS REQUIRED PER MANUFACTURER

DEDUCT ALTERNATE #3-SCOPE- CORRIDORS AND ELEVATOR LOBBY

TYPE OF WORK	DESCRIPTION OF WORK TO BE DEDUCTED
DEDUCT DEMO OF EXISTING VINYL FLOOR	CONTRACTOR WILL REMOVE AND DISPOSE OF THE VCT IN A SAFE MANNER. REMAINING MASTIC WILL BE REMOVED TO ENSURE A SMOOTH SURFACE FOR INSTALLATION OF A NEW FLOOR.
DEDUCT DEMO OF EXISTING WALL COVERINGS	REMOVE AND DISPOSE OF FABRIC TYPE WALL TREATMENTS. MATERIAL CAN BE REMOVED AS A SHEET O A CAREFUL MANNER. WALL SHOULD BE SANDED SMOOTH AND ALL REMAINING ADHESIVE REMOVED IN PREPARATION OF PAINTING.
DEDUCT DEMO OF BASE MOLDING	REMOVE IN A CAREFUL MANNER BASE MOLDING
DEDUCT DEMO OF EXISTING SUSPENDED CEILING AND GRID	REMOVE AND DISPOSE OF T-BARS, ANGLE WALL SUPPORTS AND TILES.
DEDUCT DEMO AND DISPOSAL OF EXISTING CEILING LIGHT FIXTURES	REMOVE AND DISPOSE OF ALL LIGHTING FIXTURES. CONTRACTOR WILL DISPOSE OF BULBS IN A SAFE AND RESPONSIBLE MANNER.
DEDUCT DEMO OF CPVC FIRE PROTECTION PIPE	REMOVE PVC FIRE PROTECTION PIPING IN ANTICIPATION OF REPLACEMENT WITH NEW BLACK PIPE. CONTRACTOR WILL PROVIDE ALL NECESSARY SAFETY PRECAUTIONS, FIRE WATCH AND COORDINATION PRIOR TO ANY WORK.
DEDUCT DEMO OF DUCT WORK	DUCT WORK DEMO IS NOT IN SCOPE. MODIFICATIONS TO THE DUCTWORK SHOULD BE INCLUDED IN BASE BID.
DEDUCT DEMO OF ELECTRICAL	ELECTRICAL DEMO IS NOT IN SCOPE. MODIFICATIONS TO THE ELECTRICAL SHOULD BE INCLUDED IN BASE BID. WHIPS FEEDING EXISTING LIGHTING SHOULD REMAIN AND MADE SAFE FOR FUTURE USE. EXISTING WALL SWITCHS AND RECEPTICALS SHOULD REMAIN IN PLACE, MADE SAFE FOR FUTURE USE.
DEDUCT WALLS- PREP	CONTRACTOR WILL PATCH AND REPAIR WALLS AS NEEDED PRIOR TO PAINTING. ALL WALL SURFACES SHOULD BE INCLUDED IN BASE BID.
DEDUCT WALLS-PAINTING	CONTRACTOR WILL PAINT THE WALLS PER FINISH ROOM SCHEDULE AND APPLICABLE SPEC.
DEDUCT WALLS- VINYL STRIP	CONTRACTOR WILL INSTALL NEW BASE TRIM PER FINISH ROOM SCHEDULE AND APPLICABLE SPEC.
DEDUCT WALLS- HANDRAILS AND BUMPER STRIPS	CONTRACTOR WILL INSTALL NEW HANDRAILS AND BUMPER STRIPS PER FINISH ROOM SCHEDULE AND APPLICABLE SPEC.
DEDUCT CEILING – SUSPENDED	CONTRACTOR WILL INSTALL A NEW SUSPENDED CEILING GRID, TILES AND SYSTEM TO MATCH PER PLAN AND FINISH SCHEDULE.
DEDUCT FIXTURES	CONTRACTOR WILL ENSURE THAT ALL EXISTING WALL AND CEILING MOUNTED DEVICES (example- EXIT SIGNS) WILL REMAIN IN PLACE IN A FUNCTIONAL MANNER, BE KEPT CLEAN AND UNDAMAGED IN ANY WAY.
DEDUCT LIGHTING	CONTRACTOR WILL INSTALL NEW LIGHTING FIXTURES PER SCHEDULE. TO MATCH NEW ADJACENT FIXTURES
DEDUCT DOORS AND HARDWARE	EXISTING FRAMES TO REMAIN. DOOR SLABS TO BE REMOVED AND REPLACED WITH NEW TO MATCH ADJACENT AREAS. EXISTING HARDWARE TO BE REMOVED AND REUSED. PAINT FRAMES TO MATCH FINISH PLAN.

**NOTE:
IN ROOMS ADJACENT TO THE HALLWAY THE PVC FIRE PROTECTION PIPING WILL BE REMOVED. TO FACILITATE THIS WORK THE CONTRACTOR WILL REMOVE AND REPLACE THE METAL PAN CEILING AS NEEDED. CARE WILL BE TAKEN TO ENSURE THAT THE CEILING CAN BE REPLACED IN A HIGH QUALITY MANNER. CARE SHOULD BE TAKEN TO STORE THE METAL PANELS IN A SAFE MANNER DURING THE FIRE PROTECTION WORK. THIS WORK IS TO BE INCLUDED IN BASE BID.

DEDUCT ALTERNATE #4 - SCOPE- ONCOLOGY

DESCRIPTION
DEDUCT THE ENTIRE ONCOLOGY DEPARTMENT SCOPE OF WORK. SHEETS A-ON-101 THROUGH FP-ON-501

CODE INFORMATION

APPLICABLE CODES AND STANDARDS

1. VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TIL) (HTTP://WWW.CFM.VA.GOV/TIL/).
2. INTERNATIONAL BUILDING CODE (IBC) 2012
3. NFPA 101 LIFE SAFETY CODE 2012
4. NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900
5. OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.
6. VA SEISMIC DESIGN REQUIREMENTS, H-18-8
7. NATIONAL ELECTRICAL CODE (NEC) 2011
8. NATIONAL STANDARD PLUMBING CODE (NSPC) 2012
9. ASME BOILER AND PRESSURE VESSEL CODE 2010
10. ASME CODE FOR PRESSURE PIPING
11. ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAAS) INCLUDING VA SUPPLEMENT, BARRIER FREE DESIGN GUIDE (PG-18-13)
12. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318)

ABA COMPLIANCE

PER CBC CHAPTER 18-11-1117.3.4 AND ICC/ANSI-A117.1- 2003 THE FOLLOWING COMPLY FULLY:

1. ACCESSIBLE MAIN ENTRY
2. ACCESSIBLE ROUTE FROM ENTRY TO ELEVATOR LOBBY & ACCESSIBLE ELEVATOR TO 2nd AND 3rd FLOORS
3. ACCESSIBLE MEN'S AND WOMEN'S TOILET ROOMS ARE ON 2nd AND 3rd FLOORS
4. ACCESSIBLE HI-LO DRINKING FOUNTAINS ARE ON 2nd AND 3rd FLOORS.
5. ALL CONTROLS AND OPERABLE PARTS FULLY COMPLY AND ARE BETWEEN 15" AND 48".
6. ALL SIGNAGE COMPLIES – IS OF BRAILLE AND TACTILE AND IS LOCATED ON THE DOOR HANDLE SIDE OF DOOR. INSTALLED AT APPROPRIATE HEIGHT AND DISTANCE FROM DOOR FRAME.
7. ALL STORAGE AREAS FULLY COMPLY – CLOSET RODS, WALL MOUNTED CABINETRY AND ANY TYPE OF SHELVING IS AT 48" AFF TO TOP OF BOTTOM SHELF.

FIRE RESISTIVE RATINGS (MOST RESTRICTIVE APPLIES)

BUILDING	BUILDING 133 & 133CA
USE (FIRE AREA)	HOSPITAL
APPLICABLE CODE	IBC, 2012 / NFPA 101, 2012
AUTOMATIC SPRINKLER SYSTEM REQUIREMENT	YES / YES
STANDPIPE SYSTEM REQUIREMENT	CLASS II / –
EXTERIOR BEARING WALLS (N.A.)	4-HOUR
SUPPORTING MORE THAN ONE FLOOR	– / 3-HOUR
SUPPORTING ONE FLOOR ONLY	– / 3-HOUR
SUPPORTING ROOF ONLY	– / 3-HOUR
INTERIOR BEARING WALL (N.A.)	2-HOUR
SUPPORTING MORE THAN ONE FLOOR	– / 3-HOUR
SUPPORTING ONE FLOOR ONLY	– / 2-HOUR
SUPPORTING ROOF ONLY	– / 2-HOUR
COLUMNS, BEAMS, GIRDERS, TRUSSES	3-HOUR
SUPPORTING MORE THAN ONE FLOOR	– / 3-HOUR
SUPPORTING ONE FLOOR ONLY	– / 2-HOUR
SUPPORTING ROOF ONLY	– / 2-HOUR
FLOOR CONSTRUCTION	2-HOUR / 2-HOUR
ROOF CONSTRUCTION	2-HOUR / 1.5-HOUR
EXTERIOR NON-BEARING WALLS	
< 5 FEET	1-HOUR
< 10 FEET	1-HOUR
<= 30 FEET	1-HOUR
> 30 FEET	0-HOUR (>40ft. SEP.) / 0-HOUR (SEP. DIST.)
HORIZONTAL EXIT	2-HOUR / 2-HOUR
FIRE WALLS / PARTY WALLS	2-HOUR / –
FIRE SEPARATION ASSEMBLIES	
EXITS AND SHAFTS <4 STORIES	2-HOUR, NOTE 1 / 1-HOUR
EXITS AND SHAFTS => 4 STORIES	2-HOUR, NOTE 1 / 2-HOUR
MIXED USE AND OTHER SEPARATIONS	4-HOUR / 2-HOUR
PARTITIONS; PERMANENT	1-HOUR, (Non-Comb.) / –
FIRE PARTITIONS; CORRIDORS	
WITH AUTOMATIC SPRINKLER SYSTEM	0-HOUR SMOKE TIGHT / 0-HOUR SMOKE TIGHT
DOORS	0-HOUR / 0-HOUR
SMOKE BARRIER (PARTITION)	1-HOUR / 1-HOUR
SMOKE COMPARTMENT SIZE	22,500 SF / 150' MAX. / 22,500 SF / 200' TR.
DOORS	45-MIN / 45-MIN
TRAVEL DISTANCE TO EXIT	
FROM ROOM DOOR TO EXIT	– / 150'
FROM ANYWHERE IN ROOM TO EXIT	200' / 200'
INCREASE WITH AUTOMATIC SPRINKLER SYSTEM	50' / INCLUDED
WITHIN A SUITE OF ROOMS TO EXIT DOOR	– / 100'

BUILDING DATA

BUILDING	BUILDING 133 & 133CA (FULLY SPRINKLED)	
USE (FIRE AREA)	HOSPITAL	
APPLICABLE CODE	IBC, 2012	NFPA 101, 2012
USE GROUP	I-1.1; INSTITUTIONAL	CH.18; NEW HEALTHCARE
	2-HOUR AREA SEPARATION PARTITION	2-HOUR AREA SEPARATION PARTITION
CONSTRUCTION TYPE	TYPE I-F.R.	TYPE I (332)
ALLOWABLE HEIGHT	UNLIMITED	NOT LIMITED
AUTOMATIC SPRINKLER INCREASE	(308.2.1)	
MAXIMUM ALLOWABLE HEIGHT	UNLIMITED	NOT LIMITED
ALLOWABLE AREA	UNLIMITED	NOT LIMITED
MULTI-STORY AREA INCREASE		
100% ALLOWABLE TABULAR AREA		
STREET FRONTAGE		
100% AUTOMATIC SPRINKLER		
MAXIMUM ALLOWABLE AREA(S.F./FLR.)	UNLIMITED	
MAXIMUM ALLOWABLE AREA(S.F./TOTAL BLDG.)	UNLIMITED	NOT LIMITED
ACTUAL HEIGHT	4 ST. / 4'-4"	
ACTUAL AREA (BUILDING FOOTPRINT)(1st FLOOR)	103,695.8 SF	

HAZARDOUS AREA SEPARATION PROTECTION

APPLICABLE CODE	IBC, 2012	NFPA 101, 2012	NFPA 99, 2012
ANESTHETIZING LOCATIONS		REFER TO NFPA 99	1-HOUR
BOILER AND FUEL – FIRED EQUIPMENT	1-HOUR (302.5)	1-HOUR	1-HOUR, NOTE 1
COOKING FACILITIES		REFER TO NFPA 96	
GIFT SHOP – NOT HAZARDOUS < 500 SF		0-HOUR, NOTE 1	
GIFT SHOP – HAZARDOUS		1-HOUR, NOTE 1	
LABORATORIES USING FLAMMABLES – NOT SEVERE	1-HOUR	1-HOUR, NOTE 1	1-HOUR, NOTE 1
LABORATORIES USING FLAMMABLES – SEVERE		REFER TO NFPA 99	1-HOUR
LAUNDRIES > 100 SF	1-HOUR	1-HOUR	1-HOUR, NOTE 1
LOCKER ROOMS		1-HOUR, NOTE 1	
MEDICAL GAS ROOMS / STORAGE ROOMS		REFER TO NFPA 99	1-HOUR
PAINT SHOP – NOT SEVERE	1-HOUR	1-HOUR	1-HOUR, NOTE 1
PHYSICAL PLANT MAINTENANCE SHOP	1-HOUR	1-HOUR	1-HOUR, NOTE 1
REPAIR AND HANDICRAFT SHOP		1-HOUR, NOTE 1	1-HOUR
SOILED LINEN ROOMS	1-HOUR	1-HOUR	1-HOUR, NOTE 1
STORAGE ROOMS > 50 SF < 100 SF		1-HOUR, NOTE 1	1-HOUR, NOTE 1
STORAGE ROOMS > 100 SF	1-HOUR	1-HOUR	1-HOUR, NOTE 1
TRASH COLLECTION ROOMS	1-HOUR	1-HOUR	1-HOUR, NOTE 1

100% ISSUE FOR BID	04-16-2013
100% CD Review	03-28-2013
99% CD Internal QAQC	03-20-2013
90% CD Submission	02-08-2013
QAQC Review	01-29-2013
50% Life Safety Review Package	01-07-2013
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Design Development	11-08-2012
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Drawing Title: COVER SHEET
Approved: Project Director: – / – / VAPAHCS PLANNING AND ENGINEERING
Project Title: LOVELL FHCC OR-GI-ON RENOVATIONS SECOND AND THIRD FLOORS
Location: NORTH CHICAGO, IL
Date: 06-17-2013
Checked:
Drawn:
Project Number: #556-12-127
Building Number: 133
Drawing Number: G-000

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

100% ISSUE FOR BID DOCUMENTS - NOT FOR C