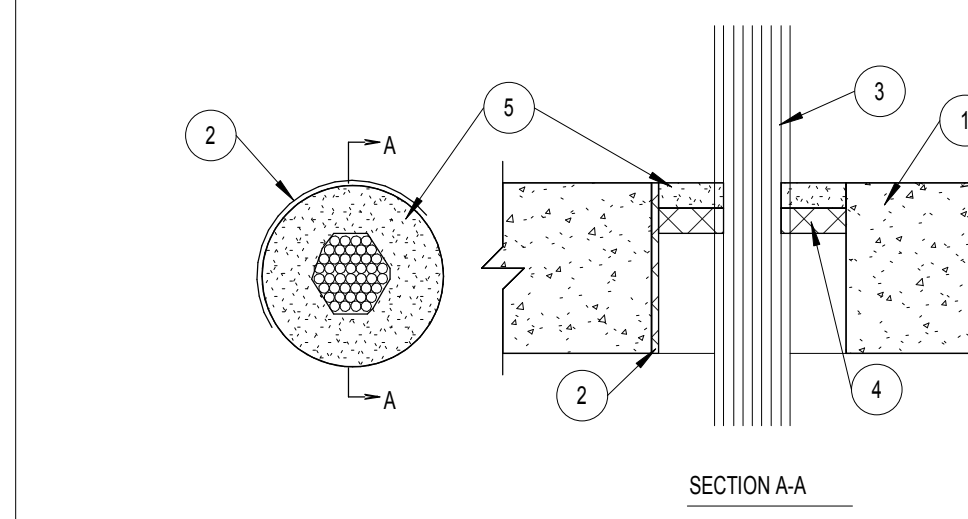


D1 FLOOR PLAN - AREA A PHASE 1  
1/8" = 1'-0"

SYSTEM NO. CAJ3030  
(Formerly System No. 320)  
F Ratings - 1-1/2, 2 and 3 Hr (See Item 5)  
T Rating - 0 Hr  
L Rating At Ambient - 129 CFM/sq ft  
L Rating At 400 F - 92 CFM/sq ft



E1 FLOOR CORE WITH SLEEVE  
1:1

SYSTEM NO. CAJ3030

1. FLOOR OR WALL ASSEMBLY - Min. 2-1/2 in. thick lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Block. Max. diam. of opening is 8 in.
- See CONCRETE BLOCKS (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. SLEEVE - (Optional) - Nom. 8 in. (or smaller) Schedule 40 (or heavier) steel pipe or nom. 6 in. diam. (or smaller) Schedule 40 polyvinyl chloride (PVC) pipe cast into floor or wall assembly. Sleeve to be flush with or project max. 2 in. from top surface of floor or both surfaces of wall. When PVC sleeve is used, max. cable conductor size is No. 12 AWG.
3. CABLES - Aggregate cross-sectional area of cables to be min. 10 percent to max. 35 percent of the cross-sectional area of the opening. Cables to be rigidly supported on both sides of the floor or wall assembly. Any combination of the following types and sizes of cables may be used:

- A. Max. 1000 kcmil single-conductor copper power cable; cross-linked polyethylene insulation.
- B. Max. No. 210 AWG multiconductor copper power cables; cross-linked polyethylene, polyvinyl chloride, neoprene rubber, hypalon or silicone rubber insulation and jacket materials.
- C. Max. No. 12 AWG multiconductor copper control cables; cross-linked polyethylene, polyvinyl chloride, neoprene rubber, hypalon or silicone rubber insulation and jacket materials.
- D. Max. 150 pair No. 24 AWG copper telephone cables; polyvinyl chloride insulation and jacket materials.
- E. Multiple fiber optical communication cable jacketed with PVC and having a max. outside diam. of 5/8 in.
4. PACKING MATERIAL - Min. 1 in. thickness of mineral-wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed min. 1 in. from top surface of floor or from both surfaces of wall.

5. FILL, VOID, or CAVITY MATERIAL\* - CAULK - Applied to fill the through opening to a min. depth of 1 in. flush with the top surface of the floor or both surfaces of the wall. Caulk to be forced into interstices of cable group to max. extent possible. Hourly "F" Rating of firestop systems are dependent upon the through opening size, the thickness of the concrete, the sleeve type and percent cable fill as tabulated below:

MAX. THROUGH OPENING DIAM. IN.	MIN. CONCRETE THKNS IN.	SLEEVE TYPE	PERCENT CABLE FILL	F RATING HR.
6	2-1/2	PVC	15-40	2
6	2-1/2	PVC	10-15	3
6	4-1/2	PVC	10-40	3
6	4-1/2	NONE	10-40	3
6	4-1/2	STEEL	10-40	3
8	2-1/2	NONE	15-40	1-1/2
8	2-1/2	STEEL	10-15	3
8	2-1/2	STEEL	10-15	3
8	4-1/2	STEEL	10-22	3

MINNESOTA MINING & MFG. CO. - Type CP 25WB+ \*Bearing the UL Classification Marking

ARCHITECTURAL KEYNOTES

- A1 REMOVE TEMPORARY ICRA WALL AT END OF PHASE. PATCH FLOOR, WALLS AND CEILING WITH NEW FINISHES TO MATCH ADJACENT SURFACES.
- A2 PROVIDED 1/8" STEEL DOOR WITH CLOSERS AND GASKETING TO PREVENT THE MOVEMENT OF DUST. PROVIDE DOOR HARDWARE TO HAVE PUSH BUTTON COMBINATION LOCK AND CORE FOR VAMC KEYING.
- A3 FOLDING SECURITY GATE WITH POCKET AND POCKET DOOR.
- A4 CONTRACTOR TO PROVIDE 4'-0" HIGH 3/4" FIRE TREATED PLYWOOD ON THE INSIDE OF EACH COMMUNICATION CLOSET. PLYWOOD TO START AT 3'-0" A.F.F.
- A5 INFILL RECESSED FLOOR WITH HYDROLIC CEMENT UNDERLAYMENT TO MATCH EXISTING CONCRETE FLOOR. PATCH CEILING, WALLS AND FLOOR TO MATCH EXISTING ADJACENT SURFACES.
- A6 TEMPORARY OPENING
- A7 RELOCATE EXISTING PNEUMATIC TUBE STATION TO TEMPORARY LOCATION.
- A8 INSTALL NEW FLOOR FINISH. SEE FINISH PLANS.
- A9 TEMPORARY SINK
- A10 INSTALL GWB ON EXISTING METAL STUD AS REQUIRED. TAPE, SPACKLE AND PAINT WALL TO MATCH EXISTING ADJACENT SURFACES.
- A11 COORDINATE WORK IN THIS AREA TO ALLOW PUBLIC EGRESS DURING NORMAL BUSINESS HOURS.
- A12 RENOVATE ICRA WALL AT THE END OF PHASE & ICRA WALL TO BECOME A PERMANENT HALF HEIGHT WALL. SEE PARTITION TYPES.
- A13 RELOCATED FIRE EXTINGUISHER CABINET AND LIGHT.
- A14 ONE LAYER TYPE "X" GWB
- A15 TEMPORARY LOCATION OF PNEUMATIC TUBE STATION. PROVIDE TEMPORARY ROUTING OF PIPING FROM EXISTING LOCATION. PROVIDE POWER TO THE STATION. SEE ELECTRICAL DRAWINGS.
- A16 REPAIR EXISTING GWB SURROUNDING COLUMN AFTER DEMOLITION OF ADJACENT WALLS. COLUMN ENCLOSURE SHALL HAVE FLUSH SIDES ON ALL FOUR SIDES.
- A17 RELOCATE PNEUMATIC TUBE STATION BACK TO ORIGINAL LOCATION PRIOR TO PHASE 2. COORDINATE WITH OWNER.
- A18 PROVIDE PLYWOOD BACKER BOARD. COORDINATE SIZE AND LOCATION WITH EQUIPMENT MANUFACTURER.
- A19 PROVIDE 1 1/2" CORE THROUGH FLOOR WITH METAL SLEEVE. SEE DETAIL E1A131A. COORDINATE LOCATION WITH EQUIPMENT MANUFACTURER.
- A20 PROVIDE 3/4" CORE THROUGH FLOOR WITH METAL SLEEVE. SEE DETAIL E1A131A. COORDINATE LOCATION WITH EQUIPMENT MANUFACTURER.

PARTITION PLAN INDICATIONS

- EXISTING PARTITION TO BE REMOVED
- ===== EXISTING PARTITION TO REMAIN
- ===== EXISTING ONE HOUR FIRE RATED PARTITION
- ===== EXISTING ONE HOUR SMOKE BARRIER
- ===== EXISTING TWO HOUR FIRE RATED PARTITION
- ===== EXISTING TWO HOUR SMOKE BARRIER
- ===== TEMPORARY PARTITION
- ===== TYPICAL FURRING
- ===== TYPICAL NON RATED PARTITION
- ===== TYPICAL NON RATED SMOKE PARTITION

ARCHITECTURAL FLOOR PLAN GENERAL NOTES

1. DO NOT SCALE DRAWINGS. DIMENSIONS IN LARGE SCALE PLANS, ELEVATIONS, AND DETAILS SHALL GOVERN OVER SMALL SCALE DETAILS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION.
2. DIMENSIONS SHOWN ON THE FLOOR PLANS FOR NEW CONSTRUCTION ARE TO CENTERLINE OF COLUMNS TO FINISH FACE OF INTERIOR PARTITION, CONCRETE OR MASONRY INTERIOR WALLS AND TO EXTERIOR FACE EXTERIOR WALLS.
3. DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION AND INSTALLATION OF CASEWORK. REFER TO CASEWORK NOTES FOR ADDITIONAL INFORMATION.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR LATEXING AND TAPERING EXISTING CONCRETE FLOOR SLAB WHERE MATERIAL CHANGES OCCUR AND SHALL COORDINATE SAME WITH INSTALLER.
5. PROVIDE METAL STUD FRAMING AROUND ALL PENETRATIONS THRU METAL STUD PARTITIONS.
6. ALL FURNITURE & FURNITURE PANELS ARE N.I.C., UNLESS OTHERWISE NOTED.

FULLY SPRINKLERED  
ISSUED FOR BID

<b>CONSULTANTS:</b> Lab Consultant: HERA MEP Engineer: H.F. Lenz 230 S. Broad Street, Suite 201 Philadelphia, PA 19102 Tel: (215) 675-5333 Fax: (215) 675-5334 1407 Scalp Avenue Johnstown, PA 15004 Tel: (814) 269-9995 Fax: (814) 269-9501		<b>KEY PLAN:</b> AREA A AREA B BUILDING 2		<b>ARCHITECT:</b> ARRAY healthcare facilities solutions 2520 Renaissance Boulevard, Suite 110 King of Prussia, PA 19406 t: 610.270.0599 f: 610.270.0995 www.arrayhfs.com		Project Number: 3515 Scale: As indicated		Drawing Title: THIRD FLOOR PLAN - PHASE 1		Project Title: REPLACEMENT OF AC-19 AND LABORATORY RENOVATION		VA Project Number: VA244-P-1786 Building Number: 2		Office of Facilities Management	
Revisions		Date						Approved: Project Director		Location: 3900 WOODLAND AVENUE PHILADELPHIA, PA 19104		Drawing Number: AE-131A		Department of Veterans Affairs	
										Date: 04-12-2012		Checked: WJ		Drawn: EN	