

Inspira Health Network  
Endoscopy Suite  
2950 College Drive

RFI Questions  
November 6, 2020

### Owner Responses

1. When will a site walkthrough be scheduled? We will need one.  
**Contractor can schedule with Ed Senlick. All of them have walked the site to the best of my knowledge.**
2. We will defer to the building's existing FA vendor & NIC same.  
**Provide best possible price and include tie-into existing system.**
3. How are permit fees to be handled.  
**Contractor to include an allowance in the GMP/Bid.**
4. Is this Project Tax Exempt?  
**This is a Tax-Exempt. Billed to Inspira Medical Center INC.**
5. Will Inspira be providing the residential kitchen equipment or are we to include these items in our bid?  
**Yes, we supply Kitchen Equipment.**
6. Please confirm the space will remain unoccupied during construction and the project can be completed in one single phase.  
**It will be unoccupied. However, off hour option must be provided due to doctors' office above us. Please include allowances for off hour work and any work of great noise; examples would be demo of concrete, jack hammer, shooting track to floor or ceiling steel, etc.**

### Architectural Responses

7. Need Deck Height  
**Based on existing drawings provided by Owner, the height is 13'. Height to be verified by GC**
8. Will demo drawings have more detail on them soon?  
**Updated drawings will be issued on 11/09**
9. There are 2 3 Form styles. Please advise on which one goes where.  
**Refer to updated finish and section details**
10. What is the Veneer & Cut of the wood doors?  
**Plain sliced walnut, stain t.b.d.**
11. Please provide a specification for the HIA door material. Are these to be Laminate Wood Doors?  
**Use a basis of design: Eggers Industries: Palladium doors, woodland pattern - velvet**
12. Clarifying just the steel columns get sprayed fireproofing and not the metal decking  
**Columns do not need to be sprayed, that was a typical detail. Refer to code summary**
13. What is the fire rating requirement for the steel columns,  
**Refer to above**

14. Is testing a certification requirement upon completion for the spray on fireproofing.  
**Refer to above**
15. What is the be the disposition of the existing wood doors and frames? Are they to be repurposed. Left for the owner or are they to be disposed of?  
**The existing doors are to be turned over to Owner. GC to coordinate delivery to Inspira. Doors/frames may be re-used for project depending on budget review**
16. Provide a desired type and finish for the exterior rails  
**The exterior railings and handrails shall be galvanized and painted a color to be selected by the architect.**
17. Provide clarification on Door type "U" on page A3.0. Is it wood, HM or other?  
**Refer to door schedule**
18. Are Automatic operators Required for the Entrance & Vestibule Doors?  
**Refer to revised door hardware schedule**
19. What are the Material Specifications for the Wood Wall Panels?  
**Basis of design: PSI: Wood veneer wall panels; Quartered Walnut**
20. There are two solid surface colors specified, but the drawings do not indicate where each color is used. Please advise?  
**Refer to updated finish schedule**
21. Can the AWI Certification for Millwork be Waived?  
**No**
22. What material is the retaining wall constructed from? The civil set notes to refer to the architectural plans.  
**The retaining wall finishes are solid concrete, see structural plans.**
23. Please provide basis of design or details for window treatments?  
**Mecho shades; manually operated single shade pocket; 4123 with 2" closure, snap on fascia  
Shade fabric: Ecoveil 1550, Fabric: T.B.D.  
Openness: 3%**
24. Please provide basis of design or details for lockers?  
**Provided by Owner, Installed by GC**
25. Please advise location/quantity of fire extinguishers and cabinets?  
**Location T.B.D. , quantity assume (5)**

#### **Mechanical**

26. Is there a preferred or proprietary HVAC controls vendor in the building we need to use or integrate with?  
**Preferred HVAC Controls to be JCI or similar.**
27. On MD1.0, First Floor Demolition Plan, indicates that there are ducts serving the "floors below". Please provide clarification on this comment  
**This note is regarding the ductwork serving the induction units on the first floor. Sheet MD1.0 Note has been revised.**

## Electrical

28. The Electrical Notes are Hospital boiler plates. We will defer to the specific Drawings as well as the current NEC. **Notes have been revised for this project. Contractor is responsible to meet all general notes listed in the drawings. If there is a discrepancy between the two, contractor shall price more expensive option and ask a clarification rfi upon being awarded the project.**

As far as we can see there were no specs as to device type/color or plates. We will carry Hospital grade in all the Endoscopy Rooms and spec grade for the balance. Devices will be white with stainless steel cover plates.

**Confirmed. Specifications will be issued with updated drawings.**

29. Drawing E-0.00 Symbols calls for 1" conduit chases with a pull string and back boxes for data-com and conduit for the Nurse Call System. We will provide 1" EMT conduit w/pull string and back boxes for both. Wiring & related equipment will be by others.

**Confirm wiring requirements for nurse call system with owner.**

30. Drawing E-0.10 Additional Project Requirements Note 6 calls for testing that is for hospital situations. This job is not so we will NIC same.

**Building is classified as an ambulatory surgical center. Testing is required per the construction documents.**

31. Drawing E-0.10 General Requirements does not exclude the use of type MC or HCF cables. We will utilize same.

**Building is classified as an ambulatory surgical center. MC cable is not allowed. All MC cable to be hospital grade. HCF cabling is not allowed.**

32. Drawing E-0.10 Equipment Note 1 refers to medical equipment drawings & cut sheets. Are there any of these available?

**Confirm with architectural equipment plans.**

33. Drawing E-0.10 General Requirement Identification Note 11 calls for an Arc Flash Hazard Analysis. We will offer this as and add alternate/allowance.

**Contractor to provide in base bid.**

34. Drawing E-0.10 General Requirement Lighting Note 16 calls for an independent Commissioning Agent for the lighting system to meet the Energy Code. We will NIC this.

**Confirmed. Lighting control system does need an independent commissioning agent.**

35. Drawing E-0.20 shows Panel E1E as 480/277 volt. The main service is 120/208.

**E1E is 120/208V.**

36. Absent any transformers we will quote as a 120/08 volt panelboard. Please also notice that a number of the HVAC pieces are spec'd at 277/480 volt. Heads up.

**Mechanical equipment to be revised to 120/208V.**

37. Drawing E-0.20 shows an 800 amp breaker in Panel E1E supplying a 200 kW load bank with #12's in a ¾" conduit as well as the docking port and gen-set. We will assume this is a typo and carry the correct size conduits/wires.

**Provide 3 sets of #400kcMIL, 1 #1/0G in 4"C. Provide 4 sets of #350kcMIL, 1 #3/0G in 4"C from the generator to docking station EG-1 and from the docking station to Panel E1E.**

38. Drawing E-0.20 General One Line Note 5 shows Square-D is the basis of design. Since it is not spec'd we will use the most cost effective manufacturer.

Contractor to only be able to use Square D, Siemen's, or Eaton Cutler Hammer. Provide ¼" = 1'-0" electrical room layout with equipment manufacturer as part of electrical equipment submittal.

39. Panel CR1D appears on the floor plan and has a schedule but is not shown on the single line. We will utilize spare 100A/3P in Panel DP1C to feed it.

CR1D is removed from the project scope.

40. Drawing A-2.00 & E-2.00 differ on fixture types in Non Endoscopy Rooms. We will carry "D" Fixtures in the Endoscopy & related Rooms & "B" Fixtures for the balance of the ACT areas. Follow what is shown on electrical drawings. Revised fixture schedule and layouts will be shown on lighting plan.

41. Drawing E-0.10 General Requirements does not exclude the use of type MC or HCF cables. We will utilize same.

Building is classified as an ambulatory surgical center. MC cable is not allowed. All MC cable to be hospital grade. HCF cabling is not allowed.

42. Panel "CRIT" did not have a schedule. For bidding purposes we will use Panel "N1T" as a guide.

43. Refer to revised drawings for more information.

DESIGN SELECTION: SQUARE D NQ												
										Name: <b>CRIT</b> (CRITICAL BRANCH)		
MAIN BREAKER: 100 AMPS 3 POLE 3 PHASE										Project Name: INSPIRA VINELAND GE SUITE		
MAIN LUGS: _____ AMPS 4 WIRE										Project Number: 120564		
K.A.I.C.: 22 AMPS										Fed From: DPIC		
SURFACE MTD: X										Location: IT 158		
FLUSH MTD: _____												
NO	CK	Load Name	Trip	Poles	A	B	C	Poles	Trip	Load Name	CK	
1		SPARE	30 A	2	0.0	0.0			2	30 A	2	
3						0.0	0.0				4	
5		REC - WEST, SOUTH WALLS	20 A	1			0.4	0.4	1	20 A	6	
7		NURSE CALL CABINET	20 A	1	0.2	0.2			1	20 A	8	
9		SECURITY PANEL	20 A	1		0.2	0.4		1	20 A	10	
11		RECEPTACLE	20 A	1			0.4	0.2	1	20 A	12	
13		VERIZON	20 A	1	0.2	0.0			1	20 A	14	
15		SPARE	20 A	1		0.0	0.0		1	20 A	16	
17		SPARE	20 A	1			0.0	0.0	1	20 A	18	
19		SPARE	20 A	1	0.0	0.0			1	20 A	20	
21		SPARE	20 A	1		0.0	0.0		1	20 A	22	
23		SPARE	20 A	1			0.0	0.0	1	20 A	24	
25		SPARE	25 A	2	0.0	0.0			1	20 A	26	
27						0.0	0.0		2	20 A	28	
29		SPARE	25 A	2			0.0	0.0			30	
31					0.0	0.0			2	30 A	32	
33		SPARE	20 A	1		0.0	0.0				34	
35		SPARE	20 A	2			0.0	0.0	2	30 A	36	
37					0.0	0.0					38	
39		SPARE	20 A	2		0.0	0.0		2	30 A	40	
41							0.0	0.0			42	
Phase Connected Load:					0.6 KVA	0.6 KVA	1.4 KVA					
				CONN. LOAD...	DEMAND FACTOR	DEMAND LOAD...						
Lighting - Hospital				0.0 KVA	0.00%	0.0 KVA						
Receptacle				1.6 KVA	100.00%	1.6 KVA	Total Connected Load: 2.6 KVA					
Motor				0.0 KVA	0.00%	0.0 KVA	Total Demand Load: 2.6 KVA					
Heating				0.0 KVA	0.00%	0.0 KVA	Demand Amps: 7 A					
Cooling				0.0 KVA	0.00%	0.0 KVA						
Other				1.0 KVA	100.00%	1.0 KVA						
Elevator				0.0 KVA	0.00%	0.0 KVA						
Spare				0.0 KVA	0.00%	0.0 KVA						
X-Ray				0.0 KVA	0.00%	0.0 KVA						
Kitchen Equipment - Non-Dwelling Unit				0.0 KVA	0.00%	0.0 KVA						
Notes:												

44. Panel "N1C" only appeared on the single line and did not have a schedule and did not appear on the drawings. For bidding purposes we will use Panel "N1B" as a guide and locate it next to same.

**N1C has been removed from the project.**

45. Panel "LS1B" only appeared on the single line and did not have a schedule and did not appear on the drawings. For bidding purposes we will use Panel "LS1A" as a guide and locate it next to Panel "D1LS".

**LS1B has been removed from the project.**

46. Panel "LSGEN" only appeared on the single line and did not have a schedule and did not appear on the drawings. For bidding purposes we will use Panel "LS1A" as a guide and locate it next to Panel "LS1B".

**LSGEN is shown on the site plan in the generator enclosure.**

47. Drawing E-2.00 Room 108 shows an inordinate amount of "EM" fixtures. We will reduce the quantity to four(4).  
**Provide what is shown on the updated lighting plans.**
48. There needs to be clarification on how many room controllers are needed as well as power packs for the ceiling Occ sensors as the drawings are unclear and conflict with the diagrams on E6.2.  
**Rom controller solution has been modified per the revised drawings.**
49. We have been told that there will be a revised electrical service plan. Are we to quote what is shown on the drawings or will a revised plan be forthcoming?  
**A revised plan will be forthcoming and included in the updated package of drawings.**
50. The drawings shows a SPD on the docking station, but there is not a lot of info about it. We need some additional info for us to quote it. Do you know the ka per phase and ka per Mode?  
**Coordinate with docking station manufacturer. Provide 240 kaic rating for SPD per drawings.**
51. The feeders size from generator to the dock  
**Provide 4 sets of #350kCMIL, 1 #3/0G in 4"C from the generator to docking station EG-1 and from the docking station to Panel E1E.**
52. The feeder size from the dock to the junction box  
**Provide 4 sets of #350kCMIL, 1 #3/0G in 4"C**
53. The feeder size from the junction box to panel E1E  
**Provide 4 sets of #350kCMIL, 1 #3/0G in 4"C**
54. feeder size from Panel E1E to the load bank  
**Provide 3 sets of #400kcMIL, 1 #1/0G in 4"C.**
55. There are still panel schedules that are blank Please advise  
**Blank panel schedules have either been removed or revised.**
56. The drawings/ specifications call for lightning protection to be added to the building. Please clarify that is correct and the extent of the lightning protection  
**Lighting protection is not to be included in this project. Existing building does not have a lightning protection system.**
57. Who is the Existing Fire Alarm Equipment Mfg. and Service Contractor?  
**Existing fire alarm system is Honeywell by Silent Knight. Coordinate service contractor with owner.**
58. There were no specs as for Electrical device type/color or plates.  
**Specs will be provided with answers and updated drawings.**
59. Drawing E-0.10 Equipment Note 1 refers to medical equipment drawings & cutsheets. Are there any of these available?  
**Confirm with architectural equipment plans.**
60. Drawing E-0.10 General Requirement Identification Note 11 calls for an Arc Flash Hazard Analysis.  
**Confirmed.**
61. Drawing E-0.20 shows Panel E1E as 480/277 volt. The main service is 120/208. Absent any transformers? Several the HVAC pieces are spec'd at 277/480 volt.

All equipment to be 120/208V.

62. Drawing E-0.20 shows an 800 amp breaker in Panel E1E supplying a 200 kW load bank with #12's in a ¾" conduit as well as the docking port and gen-set. We will assume this is a typo.  
Provide 4 sets of #350kCMIL, 1 #3/0G in 4"C
63. Panels "N1C", "LS1B" & "LSGEN" only appeared on the single line and did not have a schedule and did not appear on the drawings.  
N1C and LS1B have been removed from the project scope. LSGEN serves generator loads and is located on the site plan. See updated drawings for panel schedule.
64. Drawing E-2.00 Room 108 shows an inordinate amount of "EM" fixtures.  
See revised plans.
65. Drawing A-2.00 & E-2.00 differ on fixture types in Non Endoscopy Rooms.  
Base off of electrical plans and fixture schedule.
66. Who is responsible for card access, nurses call, and any other systems? If required is there a specification for these systems?  
Nurse call is to be included in the contractor's scope of work. Refer to drawings and specifications for additional information. Card access and security is by owner.
67. Verify quantity of emergency lights in electrical and mechanical rooms?  
See updated drawings.
68. Building has an existing fire alarm system. Is fire alarm system for this space new or do we connect to existing building system?  
Connect to existing.
69. Who is responsible for providing and installing medical room specialty lighting?  
Assuming that specialty lighting is the ceiling lights in procedure rooms – than Inspira will purchase. Vendor will install. Unistrut and coordination required to install is by contractor
70. Is customer providing data and communication wiring and equipment?  
Yes, Inspira will provide. GC required to provide conduit and backbox.
71. What is method of wiring, is MC cable permitted where approved by code?  
No, only healthcare rated MC cable is allowed. Healthcare rated MC cable can be used for normal/optional standby where allowed by code. All other wiring shall be in conduit.
72. E4.0 shows Nurse Call letter symbols shown on the plans but there is no legend to indicate that these represent, nor are they listed on E0.0 Nurse Call Systems Legend. Please clarify.  
Legend provided with updated drawings.
73. Please provide location of electrical panels LS1B and LSGEN.  
LSGEN is shown on the site plan in generator enclosure. LS1B has been removed from the project scope.
74. Please provide panel schedules for electrical panels LS1B, LSGEN, CRIT.  
See revised drawings. Coordinate all wiring requirements with generator manufacturer for LSGEN. LSGEN to come with generator enclosure.
75. Is there a preferred or proprietary fire alarm vendor for the building? And please confirm this scope of work should be included in our proposal.

All new fire alarm devices to connect back to existing Honeywell by Silent Knight system.  
Confirm delineation of scope of work with owner. Fire alarm should match what is currently in building

76. Plans show we are to include conduit for the Nurse Call system. Will the wiring and devices be provided by others or is this scope of work to be included in our proposal?

Nurse call and all conduit and infrastructure is to be included in the contractor's scope of work. Refer to drawings and specifications for additional information.

77. Will hospital grade wiring be required in this space? Or can we use standard MC throughout?

Hospital grade wiring is required in this space.

78. Electrical panel CR1D is shown on floor plan 1/E5.0 and is shown on the schedule but is not shown on the single line. Please clarify.

CR1D has been removed from the project.

79. On E0.1, Healthcare Notes, Additional Project Requirements, note 6; are we required to perform the ground testing as indicated or is this boiler plate spec and not required for this space?

Perform ground testing as indicated.

## Plumbing

80. Please provide a piping schedule.

TLC shall provide a piping schedule.

81. Is the sanitary piping within building below grade?

Yes – below grade & above grade. (unless otherwise noted)

82. Is the sanitary and vent piping above grade?

Yes – below grade & above grade. (unless otherwise noted)

83. Is there Domestic hot and cold-water piping?

Yes – above ceiling (unless otherwise noted)

84. Plan P0.1 shows a note to "relocate gas main". Scope is unclear and contradicts what is shown on the civil plans. Are we moving this gas line outside the parking lot or is that existing? Please clarify if this note is accurate and if so, provide more details on scope if applicable.

It is for reference only. The Relocate gas note is Incorrect. The gas meter bank is located on the north end of building exterior wall (Added location to site plan)

85. Med Gas:

a. Who is the Manufacturer

Beacon Medaes

b. Do we have any drawings on the Oxygen & Medical Air?

Yes – latest set of dwgs. show all medical gas piping

c. Need height & location of terminal units

Plumbing dwgs. show location of medical outlets, Refer to Architectural dwgs. for heights.



d. Location of Master Alarm Panel

Plumbing dwgs. show location of medical gas alarm panel (nurses station)

86. What is the disposition of the existing rooftop air handlers

Existing rooftop air handlers serving area scope of work (1<sup>st</sup> floor) to be demolished and curb capped.

87. Is the 4" under slab sanitary main shown on P1.0 that runs between column lines B and C existing? Or is that new with a connection point outside the work area? Please clarify connection point(s) to existing sanitary.

The 4" sanitary main between columns B & C is shown as new on dwgs..

However – during site visit I believe I found the existing main. Through existing clean-outs. Routing of existing 4" san main to ejector pump located in parking lot in northwest corner of bldg.. is between columns B & C (in the same location as the new) without any reference dwgs. or invert elevations and where the line ended, not sure if it reusable. The existing sanitary line would need to be verified for invert, location, size, and stability.

**Structural**

96. You have provided a civil engineering drawing for the exterior stairs. We do not see any structural design for the proposed stairwell retaining walls or stairs. Will you be providing details, dimensions and grading for the stairs and landings

Structural sections and details for the design of the new concrete retaining walls and exterior stairs have been added to the structural drawings on sheets S1.0 and S3.1. Coordinate final grading with civil plans, and refer to updated architectural plans and sections for max rise/run of stair treads and railing details.

97. Civil plan SP-3 indicates a retaining wall at the new entry stair. Note also indicates Architect will provide detail. Please provide detail for retaining wall.

Structural sections and details for the new concrete retaining walls have been incorporated on S1.0 and S3.1 of the structural drawings. Coordinate retaining wall layout and top of wall elevation with civil, architectural, and structural drawings and details.

98. Can additional details on new concrete entry stair be provided?

Typical detail 3/S3.1 has been added to the structural drawing package detailing the requirements for the new concrete stair on grade. Coordinate final grading and elevations with the civil drawings, and refer to the architectural drawings and details for maximum rise/run dimensions and railing requirements.