

Date

John Doe
OSHPD
Facilities Development Division
400 R Street, Suite 200
Sacramento, CA 95811

Reference: Request for NPC-2 Upgrade
XYZ Hospital - Medical Center, Facility ID XXXXX
Address

Dear Mr. Doe:

The XYZ Hospital has undertaken X number of projects to comply with the nonstructural seismic compliance requirements of Article 11, Chapter 6, Part 1, Title 24. The work associated with these projects is complete and the projects have been closed with compliance. This letter, the application for "Request for NPC 2 Upgrade" (OSHPD form OSH-FD-121) and accompanying material represent a formal request for NPC 2 status for the XYZ Hospital.

List of Buildings:

<u>Building Name</u>	<u>OSHPD BLD</u>	<u>Project # for Original Construction</u>
Main Wing	BLD-xxxxx	None
Main Hospital	BLD-xxxxx	None
Ancillary Wing	BLD-xxxxx	OSA H-xxxx
Hospital Annex	BLD-xxxxx	OSHPD HS-970xxx
Central Utility Plant	BLD-xxxxx	None

The following items are presented in the attached CD as justification for granting NPC 2 status to the Subject Hospital:

1. Drawings ("As-Built, including any modifications by change order):
 - a. SS-951xxx Telephone System Upgrade Project
 - b. SS-040xxx Emergency Power Supply Upgrade Project
 - c. SS-070xxx New Day Tank Installation
 - d. SS-877xxx Fire Alarm Upgrade Project
 - e. SS-050xxx NPC 2 Upgrade Emergency Lighting
2. 11x17 Site Plan (Appendix B)
3. Supporting Photos (Appendix D)

OSHPD Note for the Design Professional
1. If the "as-built", set of drawings do not have the OSHPD stamp, then submit the original cover sheet which depicts the OSHPD approval stamp.

The Subject Hospital and its entire design team have worked to achieve the following two goals: (1) satisfying the requirements of the regulations; and (2) documenting our work in a manner that would facilitate the reconciliation process.

Please contact me should you have any questions, need additional information, or if there is anything that any of us can do to facilitate your review.

Sincerely,

Component Inventory

Submitted to demonstrate compliance with
SB1953 NPC X requirements

Date

The following Itemized list contains in a tabular format all components in the Subject Hospital that are subject to the requirements of NPC 2. The inventory was developed on a building- by-building basis through observation by the CA licensed Design professional X. Each item on the list has been either installed, retrofit or otherwise justified under an OSHPD permit.

	Component Name or Description	Location (Building/Yard)	Room, Area Yard	Method of Anchorage	OSHPD Permit No.	Detail Reference	Anchorage/Bracing Compliant (Yes/No)	Comments
Communication System (Internal)	Telephone PBX Switchgear	Ancillary Wing	Telecom Room 145	Anchored to Floor Slab	SS-951xxx	3/S4	Yes	Telephone System serves all the buildings at the facility
	Telephone Battery Rack	Ancillary Wing	Telecom Room 145	Anchored to Floor Slab	SS-951xxx	4/S4 Photos C-1 & C-2	Yes	Batteries are secure within the shelves of vertical rack
	Telephone Battery Rectifier	Ancillary Wing	Telecom Room 145	Anchored to Floor Slab	SS-951xxx	5/S4	Yes	Internal System
	Computer Console dedicated to Telephone	Main Hospital	Telecom Room 153	Anchored to Floor	PIN 32 Item 3	See Plan Photo C-3	Yes	Console weighs < 20lbs located under desk and strapped to the floor
	Computer Monitor dedicated to Telephone	Main Hospital	Telecom Room 153	Anchored to Desk top	PIN 32 Item 3	See Plan Photo C-4	Yes	Component weighs < 20lbs, sits atop the desk and is strapped to the desk
	Telephone Backboard	Main Hospital	Telecom Room 153	Wall Mounted	SS-951xxx	10/S4	Yes	
	Overhead Page	Hospital Annex	Corridor	Wall Mounted	PIN 32 Item 3	See Plan Photo C-5	Yes	Component can be activated by a various phones Component weighs < 20lbs Component is secured to a shelf with a strap Shelf is supported by two L-shaped brackets Each Bracket is anchored to the wall with 2 anchors
	Amplifier	Hospital Annex	Room 350	Wall Mounted	PIN 32 Item 3	See Plan Photo C-6	Yes	Component weighs < 20lbs Component is secured to the shelf with snub angles Shelf is supported by two L-shaped brackets Each Bracket is anchored to the wall with 2 anchors
Speakers	Main Hospital	All Corridors	Ceiling Mounted	PIN 32 Item 3	4/S4 Photos C-8 & C-9	Yes	Components weight < 20lbs Visually inspected 5 speaker and anchorage is positive	

OSHPD Notes for Design Professional

1. The telephone system was selected as the internal communication system. The telephone could also serve as the external system

The common components of the telephone system are listed above

2. Note that the within the comment section the buildings served by the system is stated. In this example, all the buildings in the facility are served by the telephone system.

3. Nurse call system may also be included

4. PIN 32, item 3 is a common method for verifying existing and compliant anchorage for components that weigh less than 20 lbs.

Review PIN 32 for exceptions

	Component Name or Description	Location (Building/Yard)	Room, Area Yard	Method of Anchorage	OSHPD Permit No.	Detail Reference	Anchorage/Bracing Compliant (Yes/No)	Comments
Communication System (External) Sample System One	HEAR Radio Console	Main Hospital	Room 130	Anchored to Floor Slab	PIN 32 Item 3	See Plan Photo C-9	Yes	Component weighs < 20lbs located under desk and strapped to the floor
	HEAR Radio Dedicated Monitor	Main Hospital	Room 130	Anchored to Desktop	PIN 32 Item 3	See Plan Photo C-10	Yes	Component weighs < 20lbs secured to desktop with straps
	HEAR Radio External Antenna	Main Hospital	Rooftop	Anchored to Concrete Wall	PIN 32 Item 3	See Plan Photo C-11	Yes	Lightweight Aluminum Antenna (<20lbs) Attached to Concrete Wall with 2 brackets. Each bracket has two 1/4" anchors

	Component Name or Description	Location (Building/Yard)	Room, Area Yard	Method of Anchorage	OSHPD Permit No.	Detail Reference	Anchorage/Bracing Compliant (Yes/No)	Comments
Communication System (External) Sample System Two	HAM Radio on Mobile Cart	Main Hospital	Room 130	Cart is mobile	PIN 32 Item 3	See Plan Photo C-12 & C-13	Yes	Mobile Cart. Components are secured within the shelves of the cart
	Transceiver	Main Hospital	Room 130	Secured to Cart	PIN 32 Item 3	See Plan Photo C-13	Yes	Component weighs < 20lbs secured to cart
	Hand-Held Transceivers (UHF/VHF)	Main Hospital	Room 130	Secured to Cart	PIN 32 Item 3	See Plan Photo C-13	Yes	Component weighs < 20lbs secured to cart
	Amplifier	Main Hospital	Room 130	Secured to Cart	PIN 32 Item 3	See Plan Photo C-13	Yes	Component weighs < 20lbs secured to cart
	Power Supply	Main Hospital	Room 130	Secured to Cart	PIN 32 Item 3	See Plan Photo C-13	Yes	Component weighs < 20lbs secured to cart
	Battery Pack	Main Hospital	Room 130	Secured to Cart	PIN 32 Item 3	See Plan Photo C-13	Yes	Component weighs < 20lbs secured to cart
	Mobile Antenna	Main Hospital	Basement	None	-	-	NA	Transceiver has rubber antenna, Mobil Antenna is expected to be erected outside (in open area or mounted)

OSHPD Notes for Design Professional

1. Two systems are shown. Only one is needed to be NPC 2 compliant. The common components of the HEAR and HAM Radio are listed above

	Component Name or Description	Location (Building/Yard)	Room, Area Yard	Method of Anchorage	OSHPD Permit No.	Detail Reference	Anchorage/Bracing Compliant (Yes/No)	Comments
Emergency Power Supply System (EPSS)	Emergency Generator 1 (EG-1) 1000kW Generator	Central Utility Plant	Floor Level	Anchored to Floor Slab	SS-040xxx	12/S2	Yes	EG-1 Serves Buildings: Main Wing, Main Hospital and Ancillary Building Diesel motor (prime mover)
	EG-1 Cooling System	Central Utility Plant	Floor Level	Anchored to Floor Slab	SS-040xxx	13/S2	Yes	Radiator is adjacent to the generator and is anchored to the floor slab
	EG-1 Muffler/Silencer	Central Utility Plant	Floor Level	Suspended from Roof Structure Above	SS-040xxx	13/S4	Yes	Suspended Above with diagonal braces in each direction
	EG-1 Fuel Day Tank	Central Utility Plant	Floor Level	Anchored to Floor Slab	SS-070xxx	1/S4	Yes	New 75 gallon Fuel Tank
	EG-1 Battery Rack	Central Utility Plant	Floor Level	Anchored to Floor Slab	SS-040xxx	1/S2	Yes	Batteries are secure inside rack. Rack is anchored to floor slab with two 1/4" diameter anchors
	EG-1 Battery Charger	Central Utility Plant	Floor Level	Wall Mounted	SS-040xxx	2/S3	Yes	
	Emergency Generator 2 (EG-2) 750kW Generator	Equipment Yard		Anchored to Frame of Enclosure	HS-970xxx	1/A2	Yes	EG-2 serves Buildings: Hospital Annex, Central Utility Plant and Equipment Yard EG-2 is an exterior generator located inside an enclosure. The enclosure was installed under an OSHPD permit HS-970xxx
	EG-2 Cooling System	Equipment Yard		Anchored to Generator	HS-970xxx	1/A2	Yes	Cooling System is attached to the EG-2 Frame
	EG-2 Muffler/Silencer	Equipment Yard		Anchored to the exterior Frame of Enclosure	HS-970xxx	1/A2	Yes	Muffler/Silencer is exposed and above the enclosure. Anchorage is present and is not rusted
	EG-2 Fuel Day Tank	Equipment Yard		Anchored to Frame of Enclosure	HS-970xxx	1/A2	Yes	50 gallon Horizontal tank, anchored within the enclosure
	EG-2 Battery Rack	Equipment Yard		Anchored to Frame of Enclosure	HS-970xxx	1/A2	Yes	Batteries are secure in a floor rack. Rack is anchored to generator enclosure
	EG-2 Battery Charger	Equipment Yard		Anchored to Frame of Enclosure	HS-970xxx	1/A2	Yes	Part of Battery Rack Assembly
	Fuel Pump	Equipment Yard		Anchored to Floor Slab	HS-970xxx	1/M4	Yes	Provides fuel to Day Tanks (EG-1 and EG-2)
Main Fuel Tank 12,000 gallons	Equipment Yard	Below Grade		HS-970xxx	1/A2	Yes	Provides fuel to Day Tanks (EG-1 and EG-2) Located on Site Plan	
Automatic Transfer Switch (ATS)	Central Utility Plant	Floor Level	Anchored to Floor Slab	HS-970xxx	15/E6	Yes	Signals EG-1 and EG-2 to start at the loss of Normal Power Located on Site Plan	

OSHPD Notes for Design Professional

1. Common components of the Emergency Power Supply System are shown

	Component Name or Description	Location (Building/Yard)	Room, Area Yard	Method of Anchorage	OSHPD Permit No.	Detail Reference	Anchorage/Bracing Compliant (Yes/No)	Comments
Bulk Medical Gas System (BMG)	Main Liquid O ₂ Tank	Equipment Yard		Anchored to Foundation	SS-877xxx	5/S15	Yes	Located on Site Plan
	Reserve Liquid O ₂ Tank	Equipment Yard		Anchored to Foundation	SS-877xxx	6/S15	Yes	Located on Site Plan
	Vaporizers #1	Equipment Yard		Anchored to Foundation	SS-877xxx	6/S15	Yes	Located on Site Plan
	Vaporizers #2	Equipment Yard		Anchored to Foundation	SS-877xxx	6/S15	Yes	Located on Site Plan
	Vaporizers #3	Equipment Yard		Anchored to Foundation	SS-877xxx	6/S15	Yes	Located on Site Plan
	Nitrous Oxide Tank	Equipment Yard		Anchored to Foundation	SS-877xxx	6/S15	Yes	Located on Site Plan
	Manifold/Relief Devices	Equipment Yard		Anchored to Foundation	SS-877xxx	9/S18	Yes	Anchored to elevated series of rails. Rails are anchored per listed OSHPD project

OSHPD Notes for Design Professional

- 1. Common components of the Bulk Medical Gas System are shown*

	Component Name or Description	Location (Building/Yard)	Room, Area Yard	Method of Anchorage	OSHPD Permit No.	Detail Reference	Anchorage/Bracing Compliant (Yes/No)	Comments
Fire Alarm System	Main Fire Alarm Control Panel (FACP)	Main Wing	Electrical Room 101	Wall Mounted	SS-877xxx	5/F2	Yes	FACP serves the following buildings; Main Hospital, Hospital Annex, Ancillary Wing and Main Wing. FACP was connected to existing Fire Alarm System at the Ancillary Building. Components of the Existing System are identified in the report and anchorage is verified per PIN 32
	Fire Alarm Sub-Panel	Main Wing	Elevator/Lobby Area- 1st Floor	Wall Mounted	PIN 32 Item 4	See Plan & Photo FS-1	Yes	Panel is attached to metal stud framing Panel has one fastener at each corner Panel weighs < 100lbs and is 10" x 6" x 6" deep See attached statement as required per PIN 32, item 4d
	Annunciator	Main Hospital	Elevator/Lobby Area- 3rd Floor	Wall Mounted	PIN 32 Item 4	See Plan & Photo FS-2	Yes	Panel is attached to metal stud framing Panel has one fastener at each corner Panel weighs < 100lbs and is 8" x 4" x 4" deep See attached statement as required per PIN 32, item 4d
	Fire Alarm Sub-Panel	Main Hospital	Elevator/Lobby Area- 3rd Floor	Wall Mounted	PIN 32 Item 4	See Plan & Photo FS-3	Yes	Panel is attached to metal stud framing Panel has one fastener at each corner Panel weighs < 100lbs and is 10" x 6" x 6" deep See attached statement as required per PIN 32, item 4d
	Fire Alarm Sub-Panel Supplemental Power Supply	Main Hospital	Elevator/Lobby Area- 5th Floor	Wall Mounted	PIN 32 Item 4	See Plan & Photo FS-4	Yes	Panel is attached to metal stud framing Panel has one fastener at each corner Panel weighs < 100lbs and is 10" x 6" x 6" deep See attached statement as required per PIN 32, item 4d
	Fire Alarm Sub-Panel	Ancillary Wing	1st Floor	Wall Mounted	-	H-xxxx Detail 2/F4	Yes	OSA Project H-xxxx Component was verified to be anchored and with reasonable compliance to the existing drawings. See attached stamped and signed statement by the structural engineer of record
	Annunciator	Ancillary Wing	1st Floor	Wall Mounted	-	H-xxxx Detail 3/FS-4	Yes	OSA Project H-xxxx Component was verified to be anchored and with reasonable compliance to the existing drawings. See attached stamped and signed statement by the structural engineer of record
	Annunciator	Main Wing	1st Floor	Wall Mounted	PIN 32 Item 4	See Plan & Photo FS-5	Yes	Panel is attached to metal stud framing Panel has one fastener at each corner Panel weighs < 100lbs and is 8" x 4" x 4" deep See attached statement as required per PIN 32, item 4d
	Fire Alarm Sub-Panel	Hospital Annex	1st Floor	Wall Mounted	PIN 32 Item 4	See Plan & Photo FS-6	Yes	Panel is attached to metal stud framing Panel has one fastener at each corner Panel weighs < 100lbs and is 8" x 4" x 4" deep See attached statement as required per PIN 32, item 4d
	Annunciator	Hospital Annex	1st Floor	Wall Mounted	PIN 32 Item 4	See Plan & Photo FS-7	Yes	Panel is attached to metal stud framing Panel has one fastener at each corner Panel weighs < 100lbs and is 8" x 4" x 4" deep See attached statement as required per PIN 32, item 4d

OSHPD Notes for Design Professional

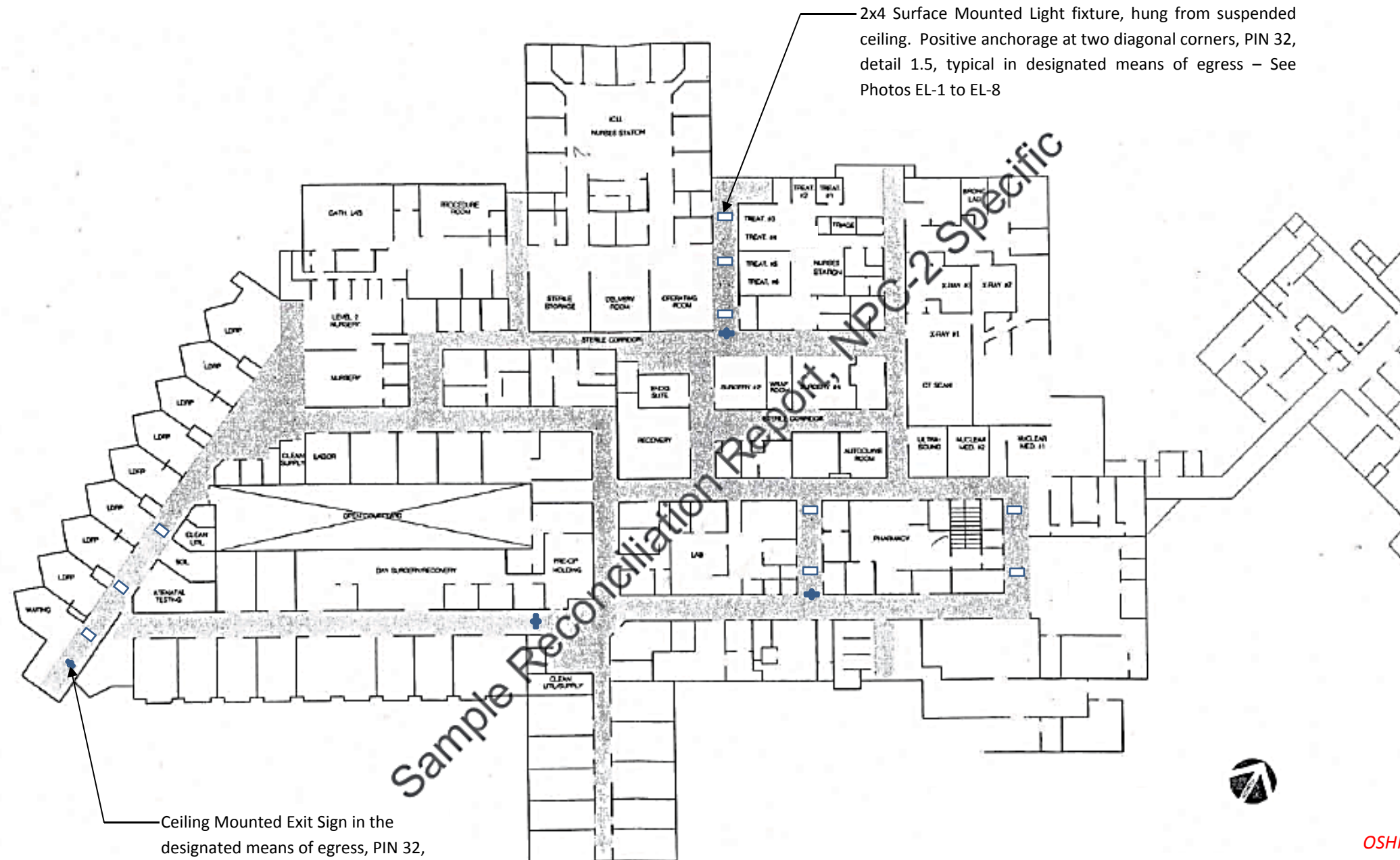
1. List the buildings served by the Fire Alarm Control Panel. 2. Plans are not shown on the Sample Report
2. Plans are not shown on the Sample Report

	Component Name or Description	Location (Building/Yard)	Room, Area Yard	Method of Anchorage	OSHPD Permit No.	Detail Reference	Anchorage/Bracing Compliant (Yes/No)	Comments
Emergency Lighting Equipment and Signs in the Means of Egress	Emergency Lighting Equipment and Signs in the Means of Egress	Hospital Annex	All Floors		HS-970xxx		Yes	Building constructed under an OSHPD permit No drawings are required
	Emergency Lighting Equipment and Signs in the Means of Egress	Main Wing	All Floors	See OSHPD Upgrade Project	SS-052xxx	S2	Yes	See attached Upgrade Drawings for the Main Wing Each floor is shown
	Emergency Lighting Equipment and Signs in the Means of Egress	Main Hospital	All Floors	PIN 32 Compliant Details	PIN 32 Item 5	See Plan of each Floor Photos EL-1 to EL-10	Yes	See attached plan of each floor. Anchorage is present and documented
	Emergency Lighting Equipment and Signs in the Means of Egress	Ancillary Wing	All Floors	Statement of reasonable conformity with the structural drawings H-xxxx	None	Details A/A2 & B/A2	Yes	OSA Project H-xxxx Component was verified to be anchored and with reasonable compliance to the existing drawings. See attached stamped and signed statement by the structural engineer of record
	Emergency Lighting Equipment and Signs in the Means of Egress	Central Utility Plant	1st Floor	PIN 32 Compliant Details	PIN 32 Item 5	See Plan of each Floor Photos EL-11 to EL-15	Yes	See attached floor plan. Anchorage is present and documented

OSHPD Notes for Design Professional



1. Hospital Annex was constructed under an approved OSHPD project. No drawings are required to be submitted
2. Main Wing was upgraded per an approved OSHPD project, "NPC 2 Equipment Upgrade". Submit drawings for review
3. Main Hospital was brought into NPC 2 compliance per a PIN 32 survey of the existing anchorage. Compliance is per PIN 32, item 5.
See drawings sheet SK-1 for typical submittal requirements
4. Ancillary Wing was constructed under an OSA project. Statement of conformity can be found on sheet SK-2
5. Central Utility Plant was brought into compliance per a PIN 32 survey of the existing anchorage.
Follow the same steps as was done for the Main Hospital

Emergency Lighting Equipment and Signs in the Means of Egress
(PIN 32 Survey)



2x4 Surface Mounted Light fixture, hung from suspended ceiling. Positive anchorage at two diagonal corners, PIN 32, detail 1.5, typical in designated means of egress – See Photos EL-1 to EL-8

Ceiling Mounted Exit Sign in the designated means of egress, PIN 32, Detail 1.6 – See Photos EL-9 and EL-10, Typical

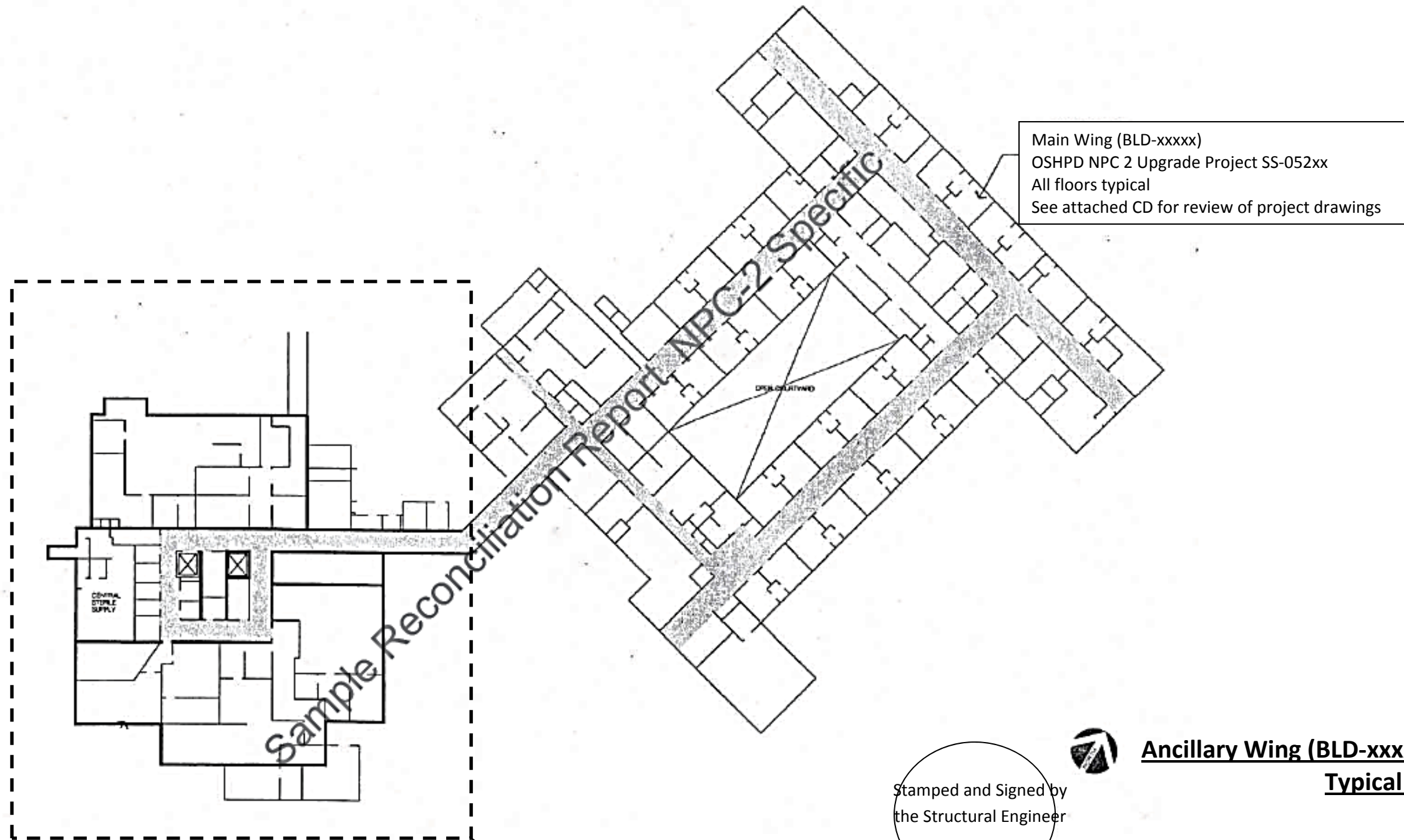
- PIN 32 Survey Notes**
1. Shaded Region indicates the designated means of egress. Emergency lighting equipment and signs are braced/anchored in accordance with NPC 2 requirements (PIN 32, item 2a)
 2.  Emergency Lighting surveyed per PIN 32
 3.  Exit Signs surveyed per PIN 32
 4. All fixtures outside the designated means of egress, but served by the same electrical circuit as those located in the designated means of egress are supported. (PIN 32, item 2b)
 5. Stairways are included in PIN 32 survey but area not shaded for clarity

Stamped and Signed by
 Design Professional (PIN
 32, item 2c)

Main Hospital (BLD-xxxxx) Second Floor

OSHPD Notes for the Design Professional
 1. A reasonable amount of lights and signs were surveyed and found to be compliant.
 2. If the anchorage or bracing is not compliant then a new OSHPD project shall be opened to bring the anchorage or bracing into NPC 2 compliance.

Emergency Lighting Equipment and Signs in the Means of Egress



Main Wing (BLD-xxxxx)
OSHPD NPC 2 Upgrade Project SS-052xx
All floors typical
See attached CD for review of project drawings

Ancillary Building (BLD-xxxxx)
OSA Project H-xxxx
An investigation of the anchorage and bracing of the Emergency Lighting Equipment and Signs in the Means of Egress are constructed in reasonable conformity of the drawings.

Stamped and Signed by
the Structural Engineer



Ancillary Wing (BLD-xxxxx) & Main Wing (BLD-xxxxx)
Typical at All Floors

- OSHPD Notes for the Design Professional*
- 1. Ancillary Building is shown with the statement of conformity per 2010 CAC, Chapter 6, Article 11, Section 11.2.1c, item 2.*
 - 2. The Main Wing is shown with a reference to the NPC 2 upgrade project. Within the contents of the OSHPD project SS-052xxx are the anchorage and bracing of the emergency lights and signs in the means of egress at each floor.*

Appendix B – Site Plan *(not included as part of sample report)*

The site plan shall identify the following:

- 1. Buildings per Building Name and BLD-xxxxx*
- 2. Show seismic gap between building*
- 3. Identify building project numbers, if any*
- 4. Locate bulk medical gas*
- 5. Locate emergency generators*
- 6. Locate underground/above ground fuel storage tanks*

Appendix C – Building(s) Structural Drawings

The following drawings (under separate cover or held in OSHPD files) comprise the available construction documentation applicable to the NPC X evaluation for the subject building(s). Drawings provided under separate cover were provided by Hospital XYZ or their designated design professional Name _____, for use with this evaluation/reconciliation report; other documentation may be available, but have not identified by the Seismic Evaluators.

1. Addition and Alterations to Mechanical Equipment in Building ?? for XYZ Hospital Medical Center. Plant As-Built, Date. (submitted under separate cover) OSHPD Project Number: SS-?????-??
2. Central Plant N Modifications. Backcheck No. 3 Date. OSHPD Project Number: HS-?????-?? (on file with OSHPD)
3. Hospital Building W for XYZ Hospital. As-Built Date (submitted under separate cover) OSHPD Project Number: HF-?????-??, OSA-SSS Project Number: H-????

Appendix D – Supporting Photos *(not included as part of sample report)*

Communications (Internal)

- C-1 – Batteries secured on Battery Rack
- C-2 – Anchorage of Battery Rack
- C-3 – Anchorage of Computer Console (PIN 32)
- C-4 – Anchorage of Computer Monitor (PIN 32)
- C-5 – Anchorage of the Overhead Page (PIN32)
- C-6 – Anchorage of Amplifier (PIN 32)
- C-7 – Speakers, Typical (PIN 32)
- C-8 – Anchorage of Speakers (PIN 32)

Communications (External)

- C-9 – HAM Radio Console (PIN 32)
- C-10 – HEAR Radio Dedicated Monitor (PIN 32)
- C-11 –HEAR Radio External Antenna (PIN 32)
- C-12 – Mobil Cart for HAM Radio (PIN 32)
- C-13 – Components of HAM Radio on Mobil Cart (PIN 32)

Fire Alarm

FS-1 – Anchorage of Fire Alarm Sub-Panel (PIN 32)

FS-2 – Anchorage of Annunciator (PIN 32)

FS-3 – Anchorage of Fire Alarm Sub-Panel (PIN 32)

FS-4 - Anchorage of Fire Alarm Sub-Panel/Supplemental Power Supply (PIN 32)

FS-5 - Anchorage of Annunciator (PIN 32)

FS-6 - Anchorage of Fire Alarm Sub-Panel (PIN 32)

FS-7 - Anchorage of Annunciator (PIN 32)

Emergency Lighting Equipment and Signs in the Means of Egress

EL-1 to EL-8 – Anchorage of Emergency Lighting (PIN 32)

EL-9 to EL-10 – Anchorage of Emergency Exit Signs (PIN 32)

EL-11 to EL-13 - Anchorage of Emergency Lighting (PIN 32)

EL-14 to EL-15 – Anchorage of Emergency Exit Signs (PIN 32)

Sample Reconciliation Report