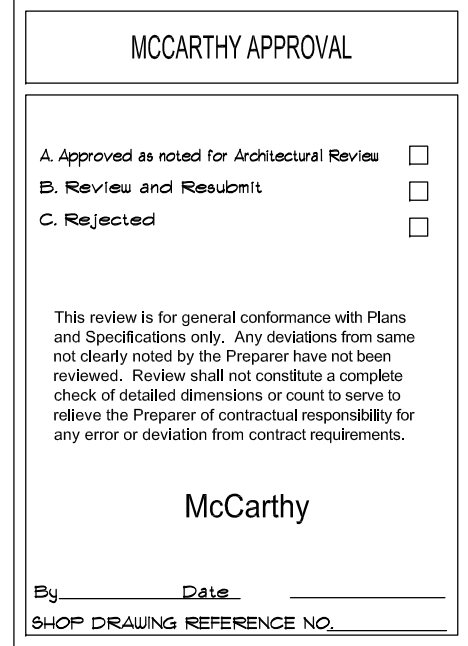




REVISIONS			
NO.	DESCRIPTION	DATE	BY
0	OSHPD INCREMENT 7C SUBMITTAL	12-1-09	P.F.
1	OSHPD BACK-CHECK #1	3-11-10	P.F.
2	OSHPD BACK-CHECK #2	2-18-10	P.F.
3	COORDINATION REVISIONS	12-27-10	P.F.
5	CHANGE ORDER #383 REVISIONS	7-1-12	P.F.

[illegible]

FOR SYSTEM RISER RECAP SEE SHEET FP-4.M SYSTEM #1

COSCO
Fire Protection
FIRE PROTECTION AND LIFE SAFETY SPECIALISTS
1075 N. Lambert Rd.
Brea, California 92621
call (714) 959-1800 • fax (714) 959-1620
SAO • LOS ANGELES • RENO • SAN FRANCISCO • INDEPENDENCE • PORTLAND • SEATTLE • ANCHORAGE

PROJECT:	CHOC Hospital 455 S. Main St. Orange, CA 92668
CONTRACT WITH:	McCarthy 20401 Southwest Blvd. St. Suite 300 Newport Beach, CA 92660
DRAWING TITLE	Level 4 - Area A

DATE:	12-1-09
SCALE:	1/4"=1'-0"
DRAWN BY:	P.F.
JOB NO.	LC-7196
SHEET NO.	FP-4.A
	

HYDRAULIC DESIGN SYSTEM INFORMATION

Job Name: CHOC Hospital

Location: Level 4 - System 1 - Area 1

Contract No: LC-7196 Drawing No: FP-4A Date: 12-1-09

Density: 10 gpm/sqft for most hydraulically remote: 1500 sqft

Number of sprinklers in design area: 18 Office size: 1/2

Demand: 323.51 GPM @ 103.05 PSI At: PRV Control Valve

The above information includes a hose stream allowance of: 0 GPM

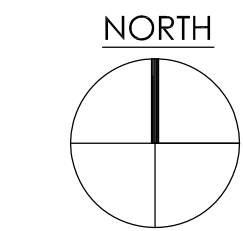
Occupancy classification: Shell - Unoccupied

SYMBOL IDENTIFICATION LEGEND

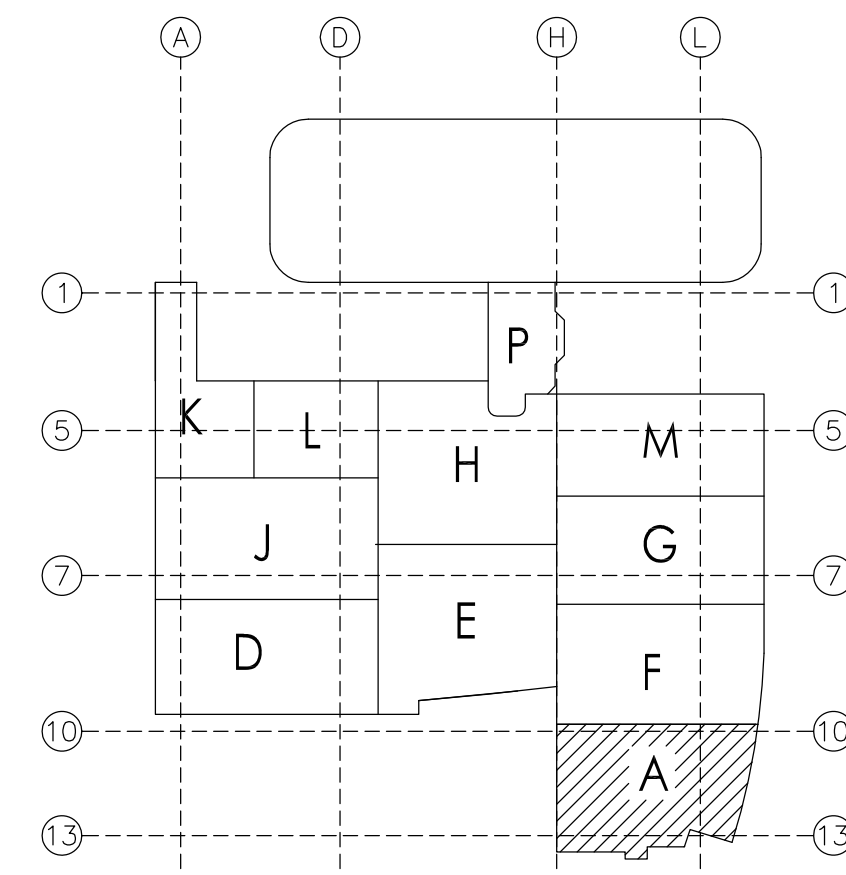
-  • LINE RESTRAINT
-  • FIRE STOPPING THROUGH RATED WALL
-  • CALCULATION DESIGN AREA
-  • HYDRAULIC CALCULATION NODE
-  • CENTERLINE OF PIPE BELOW TOP OF STEEL
-  • CENTERLINE OF PIPE ABOVE FINISH FLOOR
-  • CENTERLINE OF PIPE BELOW DECK (SAME AS TOP OF STEEL)
-  • CENTERLINE OF PIPE ABOVE FINISH FLOOR
-  • RIGID GROOVED PIPE COUPLING (UNLESS NOTED AS FLEXIBLE)
-  • PIPE HANGER TO CONCRETE
-  • PIPE HANGER TO STEEL
-  • CEILING HEIGHT

CEILING HEIGHT WILL TYPICALLY BE [9'-0"], UNLESS OTHERWISE NOTED ON THE PLAN.

AS BUILT DRAWING
Pat Fisher 7-30-2012



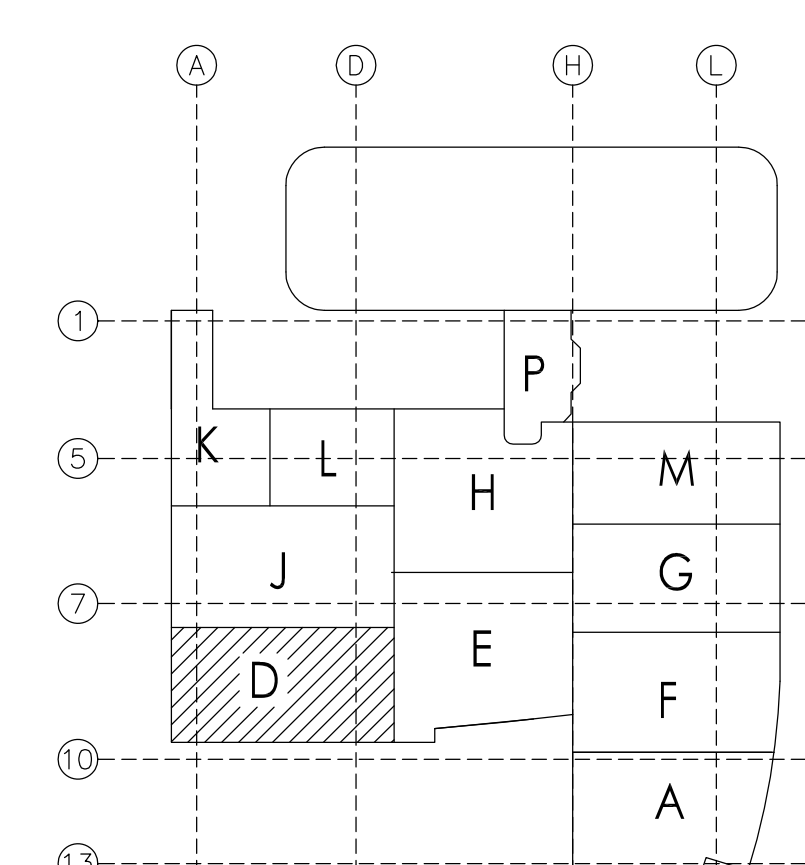
LEVEL 04 209.30' = 0'-0"



A1 KEY PLAN

OSHPD No.: IL-072072-30 / INCREMENT #7C - DA#16

August 24, 2010 11:14:38 a.m.



REVISIONS			
NO.	DESCRIPTION	DATE	BY
0	OSHPD INCREMENT TC SUBMITTAL	12-1-09	P.F.
1	OSHPD BACKCHECK #1	3-1-10	P.F.
2	OSHPD BACKCHECK #2	7-19-10	P.F.
3	COORDINATION REVISIONS	12-27-10	P.F.
4	CHANGE ORDER #300 REVISIONS	2-21-12	P.F.
5	CHANGE ORDER #383 REVISIONS	7-19-12	P.F.

SPRINKLER HEAD LEGEND:										TOTAL SPRINKLERS:	
SYMBOL	S/N	OFFICE	INT.	K-FACT.	HEAD	GLASS	TEMP.	QUAL.			
●	VX642	1/2"	5.0	Boss	White	150°					
	VX634	3/4"	5.0	Boss	White	150°					
○	VX630	1/2"	5.6	Boss		200°					
	VX300	1/2"	5.6	Boss		200°					
	VX302	1/2"	5.6	Boss		200°					
▲	VX305	1/2"	5.6	Boss		200°					
	VX302	1/2"	5.6	Boss		200°					

APPROVALS BY: _____

OSHPD _____

TOTAL SPRINKLERS: _____

THIS SHEET _____

 **COSCO**

Fire Protection

FIRE PROTECTION AND LIFE SAFETY SPECIALISTS

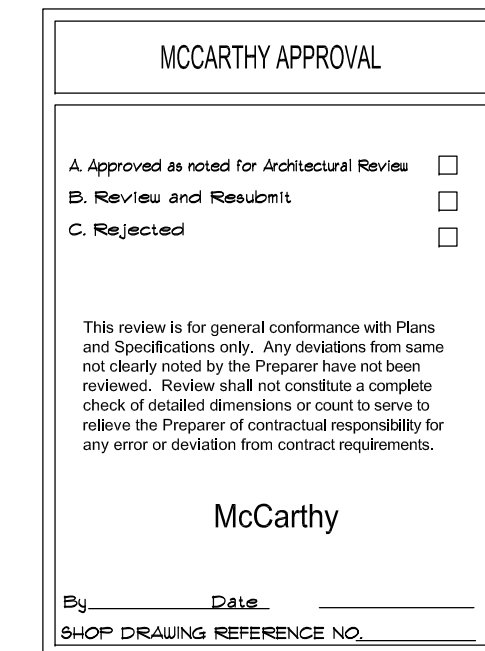
Call for a free estimate

LOS ANGELES OFFICE

10723 W. Cimarron Rd.
Brea, California 92621
call (714) 969-1800 • fax (714) 969-1620

LOS ANGELES • IRVINE • SAN FRANCISCO • SACRAMENTO • PORTLAND • SEATTLE • ANCHORAGE

PROJECT CHOC Hospital 455 S. Main St. Orange, CA 92668	CONTRACT WITH: McCarthy 20401 Southwest Birch St, Suite 300 Newport Beach, CA 92660	DRAWING TITLE Level 4 - Area D
DATE: 12-1-09		
SCALE: 1/4"=1'-0"		
DRAWN BY: P.F.		
JOB NO. LC-7196		
SHEET NO. FP-4.D		



REVISIONS			
NO.	DESCRIPTION	DATE	BY
0	OSHPD INCREMENT TC SUBMITTAL	12-1-09	P.F.
1	OSHPD BACKCHECK #1	3-1-10	P.F.
2	OSHPD BACKCHECK #2	7-19-10	P.F.
3	COORDINATION REVISIONS	12-27-10	P.F.
4	CHANGE ORDER #300 REVISIONS	2-21-12	P.F.
5	CHANGE ORDER #383 REVISIONS	7-19-12	P.F.

SPRINKLER HEAD LEGEND:					SYMBOL	S/N	OFFICE	INT.	K-FACT.	HEAD	GLASS	TEMP.	QUAL.
Wing Mfgs. QR SSP Concealed Pendant					●	VX462	1/2"	5.6	Boss	White	150°		
Wing Mfgs. QR Extended Concealed Pendant					●	VX634	3/4"	5.6	Boss	White	150°		
Wing Mfgs. QR SSP Upright					○	VX300	1/2"	5.6	Boss		200°		
Wing Mfgs. QR SSP Upright on 1" Spig.					○	VX300	1/2"	5.6	Boss		200°		
Wing Mfgs. QR SSP Pendant					●	VX302	1/2"	5.6	Boss		200°		
Wing Mfgs. QR SSP Extended Pendant					●	VX302	1/2"	5.6	Boss		200°		
Wing Mfgs. QR SSP Horizontal Sidewall					●	VX302	1/2"	5.6	Boss		200°		
APPROVALS BY:					OSHPD TOTAL SPRINKLERS: 13 THIS SHEET =								

FOR SYSTEM RISER RECAP SEE SHEET FP-4.D SYSTEM #2
FOR SYSTEM RISER RECAP SEE SHEET FP-4.M SYSTEM #1

 **COSCO**

Fire Protection

FIRE PROTECTION AND LIFE SAFETY SPECIALISTS

California

LOS ANGELES OFFICE

10725 W. Cimarron Rd.
Brea, California 92621
call (714) 969-1800 • fax (714) 969-1620

LOS ANGELES • IRVINE • SAN FRANCISCO • SACRAMENTO • PORTLAND • SEATTLE • ANCHORAGE

PROJECT	CHOC Hospital 455 S. Main St. Orange, CA 92668
CONTRACT WITH:	McCarthy 20401 Southwest Birch St., Suite 300 Newport Beach, CA 92660
DRAWING TITLE	Level 4 - Area E

DATE:	12-1-09	
SCALE:	1/4"=1'-0"	
DRAWN BY:	P.F.	
JOB NO.	LC-7196	
SHEET NO.	FP-4.E	

FIRE PROTECTION ENGINEER

CALIFORNIA
STATE OF CALIFORNIA

LICENSE NO. **C-16**

CLASSIFICATION

NAME **ROBERT J. MENDEHALL**

EXP. DATE **9-30-13**

SIGNATURE **DON LARSON**

DATE **7-1-10**

Mechanical Engineer

CALIFORNIA
STATE OF CALIFORNIA

LICENSE NO. **M26855**

CLASSIFICATION

NAME **ROBERT J. MENDEHALL**

EXP. DATE **9-30-10**

SIGNATURE **DON LARSON**

DATE **7-1-10**

- · LINE RESTRAINT
- · FIRE STOPPING THROUGH RATED WALL
- · CALCULATION DESIGN AREA
- · HYDRAULIC CALCULATION NODE
- · CENTERLINE OF PIPE BELOW TOP OF STEEL
- · CENTERLINE OF PIPE ABOVE FINISH FLOOR
- · CENTERLINE OF PIPE BELOW DECK (SAME AS TOP OF STEEL)
- · CENTERLINE OF PIPE ABOVE FINISH FLOOR
- · RIGID GROOVED PIPE COUPLING (UNLESS NOTED AS FLEXIBLE)
- · PIPE HANGER TO CONCRETE
- · PIPE HANGER TO STEEL
- · CEILING HEIGHT

CEILING HEIGHT WILL TYPICALLY BE [9'-0"], UNLESS OTHERWISE NOTED ON THE PLAN.

Job Name: CHOC Hospital

Location: Level 4 - System 2 - Area #2

Contract No: LC-7196 Drawing No: FP-4-E Date: 12-1-09

Density: .10 gpm/sqft for most hydraulically remote: 900 sqft

Number of sprinklers in design area: 8 Office size: 1/2"

Demand: 124.72 GPM @ 33.05 PSI At: PRV Control Valve

The above information includes a hose stream allowance of: 0 GPM

Occupancy classification: Light Hazard

Ceiling height if used, highest point: $\frac{10-0}{12} \cdot \text{ft}$
 Initial design area: $\frac{1500}{20} \cdot \text{sqft}$ Reduction percentage: $\frac{40.0}{100} \cdot 100\%$
 Revised design area: $\frac{900}{20} \cdot \text{sqft}$ For slopes greater than 2 in 12 - add 50% to area: $\frac{0}{100} \cdot 100\%$

Final design area: $\frac{900}{20} \cdot \text{sqft}$

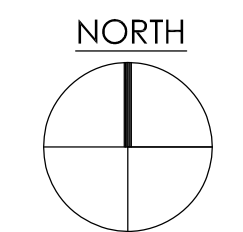
For ceiling height ≥ 10 ft. and ≤ 20 ft.

$$y = \frac{-3x}{2} + 55$$

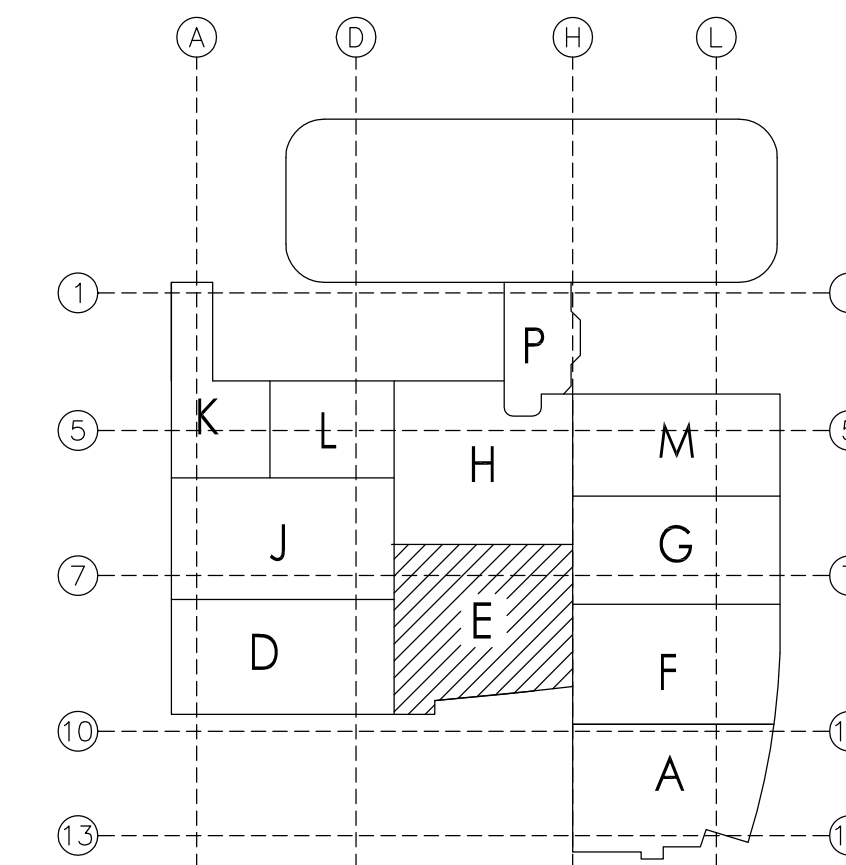
For ceiling height less than 10 ft. $y = 40$
 For ceiling height greater than 20 ft. $y = 0$

NOT PUBLIC
ACCESSIBLE

AS BUILT DRAWING
Pat Fisher 7-30-2012



SCALE: 1/4" = 1'-0"



A1 KEY PLAN

OSHPD No.: IL-072072-30 / INCREMENT #7C - DA#16

Xrefs: 4206075_S2-5A_B_C_D.DWG\X-plan 4.DWG\X-grid core 4.DWG\X-exist 4.DWG\V-A4.4A.DWG\Mc_4TH-SECTION.DWG\E-L3-L4 key plan 4.DWG\C-shell L4.DWG\C-RCP-4.DWG\

[illegible]

MCCARTHY APPROVAL	
A. Approved as noted for Architectural Review	☐
B. Reviewer and Reviewer	☐
C. Rejected	☐

This review is for general conformance with Plans and Specifications only. Any deviations from same not clearly noted by the Preparer have not been reviewed. Reviewer shall not constitute a complete check of detailed dimensions or count to serve to relieve the Preparer of contractual responsibility for any error or deviation from contract requirements.

McCarthy

By: _____ Date: _____

SHOP DRAWING REFERENCE NO. _____

COSCO
Fire Protection
FIRE PROTECTION AND LIFE SAFETY SPECIALISTS
CALIFORNIA C-14 L.C. # 577621
LOS ANGELES OFFICE
10000 Wilshire Blvd., Suite 1000
Beverly Hills, California 90212
call (714) 989-1800 • fax (714) 989-1620

PROJECT:	CHOC Hospital 455 S. Main St. Orange, CA 92668
CONTRACT WITH:	McCarthy 20401 Southwest Birch St. Suite 300 Newport Beach, CA 92660
DRAWING TITLE:	1614 Access F

DATE:	12-1-09
SCALE:	1/4"=1'-0"
DRAWN BY:	P.F.
JOB NO.	LC-7196
SHEET NO.	FP-4.F

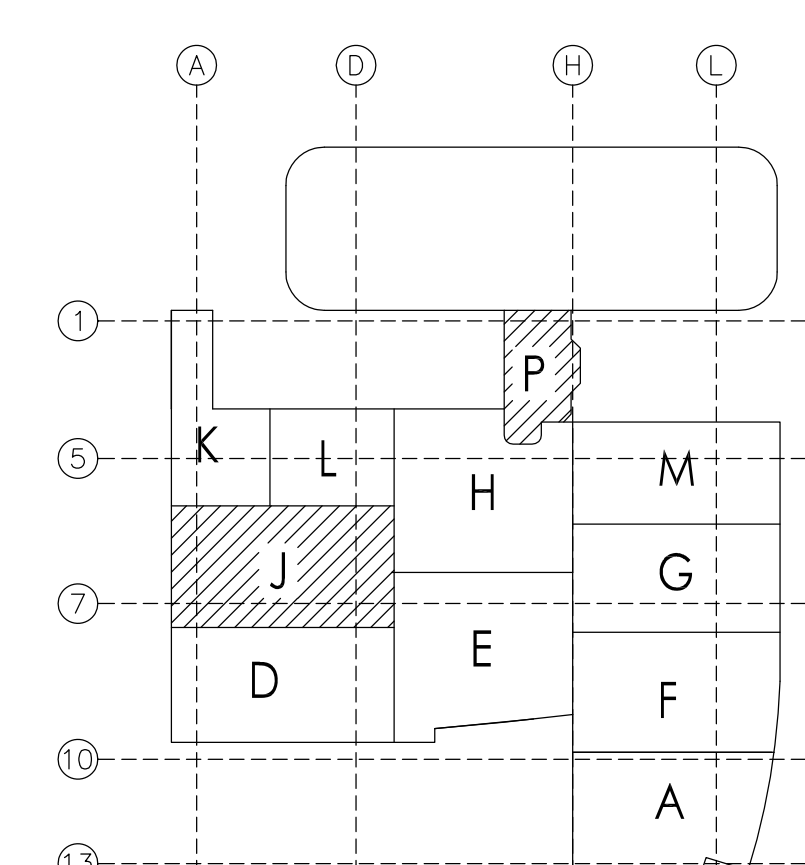
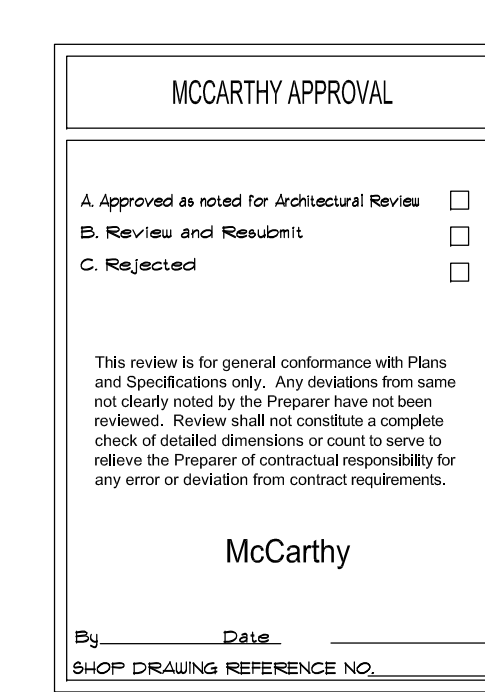


Xrefs: 4206075 S2-5A B C D.DWG\X-plan 4.DWG\X-grid core 4.DWG\X-exist 4.DWG\Y-A4.4A.DWG\MC 4TH-SECTION.DWG\E-L3-L4 key plan 4.DWG\C-shell L4.DWG\C-RCP-4.DWG



DATE:	12-1-09	
SCALE:	1/4"=1'-0"	
DRAWN BY:	P.F.	
JOB NO.	LC-7196	
SHEET NO.	FP-4.H	

Xrefs: 4206075_S2-5A_B_C_D.DWG\X-plan 4.DWG\X-grid core 4.DWG\X-exist 4.DWG\Y-A4.4A.DWG\MC_4TH-SECTION.DWG\E-L3-L4 key plan 4.DWG\C-shell L4.DWG\C-RCP-4.DWG



REVISIONS			
NO.	DESCRIPTION	DATE	BY
0	OSPID INCREMENT TC SUBMITTAL	12-1-09	P.F.
1	OSPID BACKCHECK #1	3-1-10	P.F.
2	OSPID BACKCHECK #1/2	7-19-10	P.F.
4	CHANGE ORDER #300 REVISIONS	2-21-12	P.F.
5	CHANGE ORDER #303 REVISIONS	7-19-12	P.F.

SPRINKLER HEAD LEGEND:										TOTAL SPRINKLERS:	
SYMBOL	S/N	OFFICE	INT.	K-FACT.	HEAD	GLASS	TEMP.	QUAL.			
●	VX642	1/2"	5.0	Boss	White	150°					
	VX634	3/4"	5.0	Boss	White	150°					
○	VX630	1/2"	5.6	Boss		200°					
	VX300	1/2"	5.6	Boss		200°					
	VX320	1/2"	5.6	Boss		200°					
▲	VX302	1/2"	5.6	Boss		200°					
	VX302	1/2"	5.6	Boss		200°					

APPROVALS BY: _____

OSHPD _____

TOTAL SPRINKLERS: _____

THIS SHEET _____

 **COSCO**

Fire Protection

FIRE PROTECTION AND LIFE SAFETY SPECIALISTS

California

LOS ANGELES OFFICE

10725 W. Cimarron Rd.
Brea, California 92621
call (714) 969-1800 • fax (714) 969-1620

LOS ANGELES • IRVINE • SAN FRANCISCO • SACRAMENTO • PORTLAND • SEATTLE • ANCHORAGE

PROJECT	CHOC Hospital 455 S. Main St. Orange, CA 92668
CONTRACT WITH:	McCarthy 20401 Southwest Birch St., Suite 300 Newport Beach, CA 92660
DRAWING TITLE	Level 4 - Area J

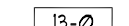
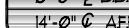
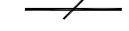
DATE: 12-1-09	
SCALE: 1/4"=1'-0"	
DRAWN BY: P.F.	
JOB NO. LC-7196	
SHEET NO. FP-4.J	

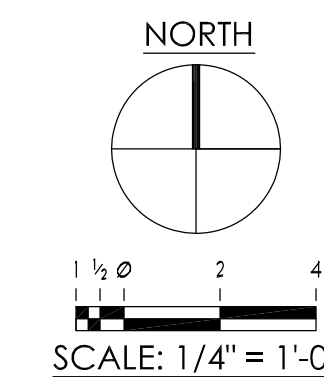
NOT PUBLIC
ACCESSIBLE

FOR SYSTEM RISER RECAP SEE SHEET FP-4.D SYSTEM #2

AS BUILT DRAWING
Pat Fisher 7-30-2011

SYMBOL IDENTIFICATION LEGEND

-  · LINE RESTRAINT
-  · FIRE STOPPING THROUGH RATED WALL
-  · CALCULATION DESIGN AREA
-  · HYDRAULIC CALCULATION NODE
-  · CENTERLINE OF PIPE BELOW TOP OF STEEL
-  · CENTERLINE OF PIPE ABOVE FINISH FLOOR
-  · CENTERLINE OF PIPE BELOW DECK (SAME AS TOP OF STEEL)
-  · CENTERLINE OF PIPE ABOVE FINISH FLOOR
-  · RIGID GROOVED PIPE COUPLING (UNLESS NOTED AS FLEXIBLE)
-  · PIPE HANGER TO CONCRETE
-  · PIPE HANGER TO STEEL
-  · CEILING HEIGHT



LEVEL 04 209.30' = 0'-0"
REFERENCE THIS SHEET

CEILING HEIGHT WILL TYPICALLY BE [9'-0"], UNLESS OTHERWISE NOTED ON THE PLAN.

OSHPD No.: IL-072072-30 / INCREMENT #7C - DA#16

Xrefs: 4206075_S2-5A_B_C_D.DWG\X-plan 4.DWG\X-grid core 4.DWG\X-exist 4.DWG\V-A4.4A.DWG\MC_4TH-SECTION.DWG\E-L3-L4 key plan 4.DWG\C-shell L4.DWG\C-RCP-4.DWG



SPRINKLER HEAD LEGEND:					SYMBOL	S/N	OFFICE	INT.	K-FACT.	HEAD	GLASS	TEMP.	QUAL.
Wing Mfgs. QR SSP Concealed Pendant					●	VX462	1/2"	5.6	Boss	White	150°		
Wing Mfgs. QR Extended Concealed Pendant					●	VX634	3/4"	5.6	Boss	White	150°		
Wing Mfgs. QR SSP Upright					○	VX300	1/2"	5.6	Boss		200°		
Wing Mfgs. QR SSP Upright on 1" Spig					○	VX300	1/2"	5.6	Boss		200°		
Wing Mfgs. QR SSP Pendant					●	VX302	1/2"	5.6	Boss		200°		
Wing Mfgs. QR SSP Extended Pendant					●	VX302	1/2"	5.6	Boss		200°		
Wing Mfgs. QR SSP Extended Spigolow					●	VX302	1/2"	5.6	Boss		200°		

APPROVALS BY:

OSHPD

TOTAL SPRINKLERS: 1

THIS SHEET

FOR SYSTEM RISER RECAP SEE SHEET FP-4.D SYSTEM #2

MCCARTHY APPROVAL	
A. Approved as noted for Architectural Review	☐
B. Reviewer and Reviser:	☐
C. Rejected	☐

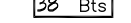
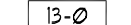
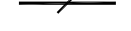
This review is for general conformance with Plans and Specifications only. Any deviations from same not clearly noted by the Preparer have not been reviewed. Review shall not constitute a complete check of detailed dimensions or count to serve to relieve the Preparer of contractual responsibility for any error or deviation from contract requirements.

McCarthy

By: _____ Date: _____

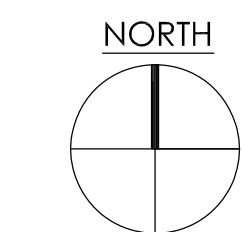
SHOP DRAWING REFERENCE NO. _____

SYMBOL IDENTIFICATION LEGEND

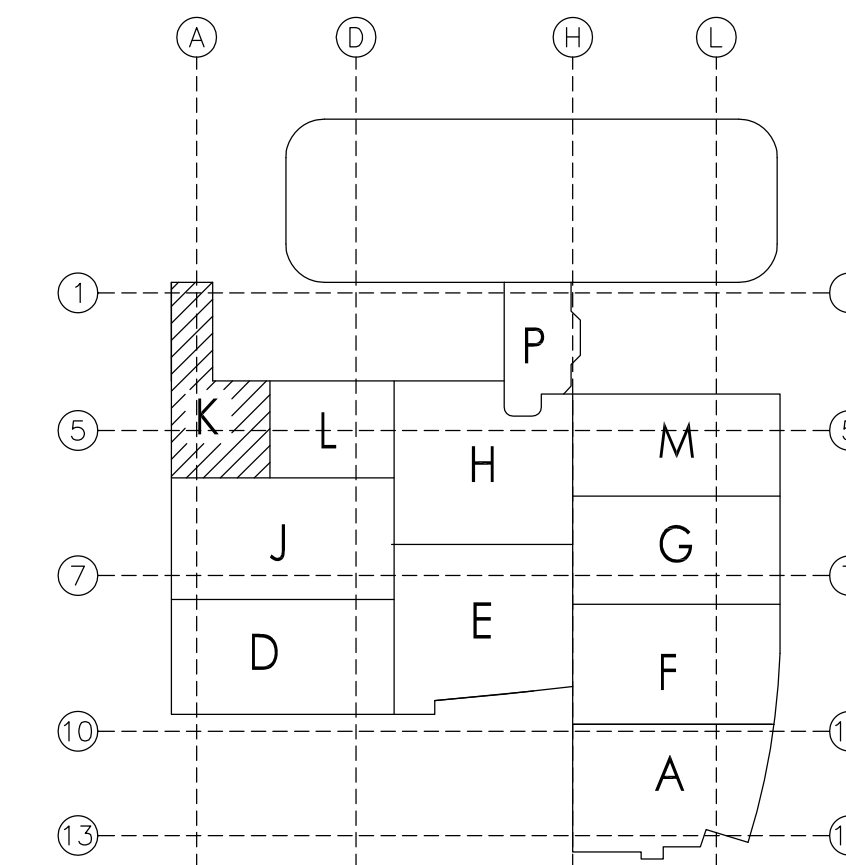
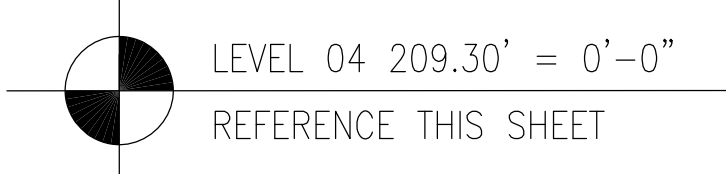
-  - LINE RESTRAINT
-  - FIRE STOPPING THROUGH RATED WALL
-  - CALCULATION DESIGN AREA
-  - HYDRAULIC CALCULATION NODE
-  - CENTERLINE OF PIPE BELOW TOP OF STEEL
-  - CENTERLINE OF PIPE ABOVE FINISH FLOOR
-  - CENTERLINE OF PIPE BELOW DECK (SAME AS TOP OF STEEL)
-  - CENTERLINE OF PIPE ABOVE FINISH FLOOR
-  - RIGID GROOVED PIPE COUPLING (UNLESS NOTED AS FLEXIBLE)
-  - PIPE HANGER TO CONCRETE
-  - PIPE HANGER TO STEEL
-  - CEILING HEIGHT

CEILING HEIGHT WILL TYPICALLY BE [9'-0"], UNLESS OTHERWISE NOTED ON THE PLAN.

AS BUILT DRAWING
7-30-2012
Pat Fisher



SCALE: 1/4" = 1'-0"



A1 KEY PLAN

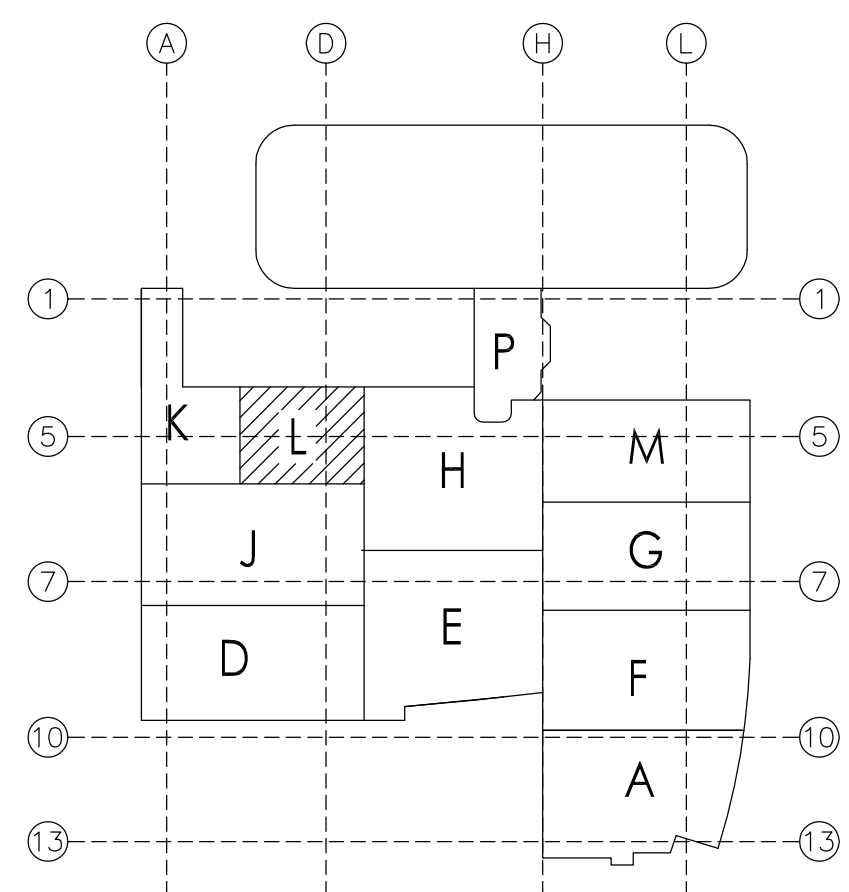
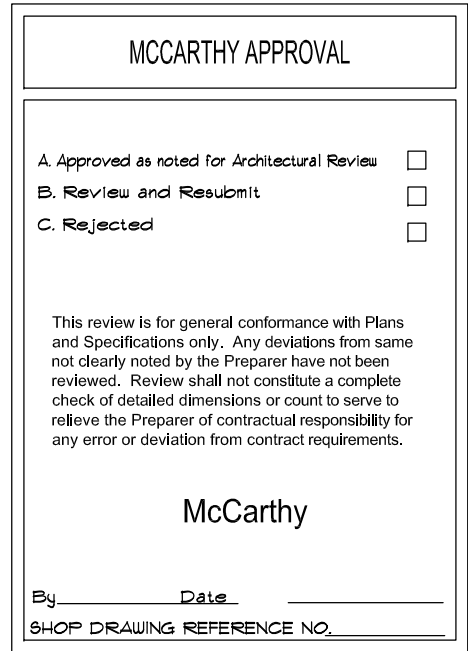
OSHPD No.: IL-072072-30 / INCREMENT #7C - DA#16

PROJECT: CHOC Hospital
455 S. Main St.,
Orange, CA 92668

CONTRACT WITH: McCarthy
20401 Southwest Birch St., Suite
Newport Beach, CA 92660

DRAWING TITLE
Level 4 - Area K

DATE:	12-1-09	
SCALE:	1/4"=1'-0"	
DRAWN BY:	P.F.	
JOB NO.	LC-7196	
SHEET NO.	FP-4.K	



NO.		DESCRIPTION	REVIEWS	
			DATE	BY
0	OSHPD INCREMENT #1 SUBMITTAL		12-1-09	P.F.
1	OSHPD BACKCHECK #1		3-11-10	P.F.
2	OSHPD BACKCHECK #2		7-19-10	P.F.
3	COORDINATION REVISIONS		12-27-10	P.F.
4	CHANGE ORDER #300 REVISIONS		2-27-12	P.F.
5	CHANGE ORDER #303 REVISIONS		7-19-12	P.F.

QUANTITY	Q-FACTOR	TEMP.	UNIT	W/HT	TEMP.	UNIT	W/HT
QTY	K-FACT	TEMP	UNIT	WGT	TEMP	UNIT	WGT
SPRING MIDGE Q8 350 Concoiled Pendant	W/350	1/12	1/12	5.6	Bross	White	150°
Vining Midge Q8 350 Concoiled Pendant	W/350	1/12	1/12	5.6	Bross	White	150°
Vining Midge Q8 Extended Coverage Concoiled Pendant	W/350	3/4"	3/4"	8.0	Bross	White	150°
Vining Microfilar Q8 350 Upright on 1" Spring	W/350	1/12	1/12	5.6	Bross	White	200°
Vining Microfilar Q8 350 Upright on 1" Spring	W/350	1/12	1/12	5.6	Bross	White	200°
Vining Microfilar Q8 350 Upright on 1" Spring	W/350	1/12	1/12	5.6	Bross	White	200°
Vining Microfilar Q8 350 Pendant	W/350	1/12	1/12	5.6	Bross	White	200°
Vining Microfilar Q8 350 Individual Bolow	W/350	1/12	1/12	5.6	Bross	White	200°
APPROVALS:							
Q8300							
TOTAL SHEETS							

FOR SYSTEM RISER RECAP SEE SHEET FP-4.D SYSTEM #2
FOR SYSTEM RISER RECAP SEE SHEET FP-4.M SYSTEM #

FOR 3131EM RIBER RECAF SEE 3THEE1 FF-4.MI 3131EM1 #

COSCO
Fire Protection
FIRE PROTECTION AND LIFE SAFETY SPECIALISTS
CALIFORNIA, C.I.B.A. (C.I.A.)
LOS ANGELES OFFICE
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1000 Market Street, Suite 1000
San Francisco, California 94102
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PROJECT	CHOC Hospital 455 S. Main St., Orange, CA 92668
CONTRACT WITH:	McCarthy 20401 Southwest Birch St., Suite 300 Newport Beach, CA 92660
DRAWING TITLE	Level 4 - Area L

DATE: 12-1-09

SCALE: 1/4"=1'-0"

DRAWN BY: P.F.

JOB NO.

LC-7196

SHEET NO.

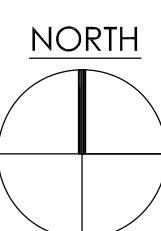
FP-4.L

300

	LINE RESTRAINT
	FIRE STOPPING THROUGH RATED WALL
	CALCULATION DESIGN AREA
	HYDRAULIC CALCULATION NODE
	CENTERLINE OF PIPE BELOW TOP OF STEEL
	CENTERLINE OF PIPE ABOVE FINISH FLOOR
	CENTERLINE OF PIPE BELOW DECK (SAME AS TOP OF STEEL)
	CENTERLINE OF PIPE ABOVE FINISH FLOOR
	RIGID GROOVED PIPE COUPLING (UNLESS NOTED AS FLEXIBLE)
	PIPE HANGER TO CONCRETE
	PIPE HANGER TO STEEL
	CEILING HEIGHT

CEILING HEIGHT WILL TYPICALLY BE [9'-0"], UNLESS OTHERWISE NOTED ON THE PLAN.

AS BUILT DRAWING
Pat Fisher 7-30-2012



SCALE: 1/4" = 1'-0"

LD/EL 04 200 30' 0'

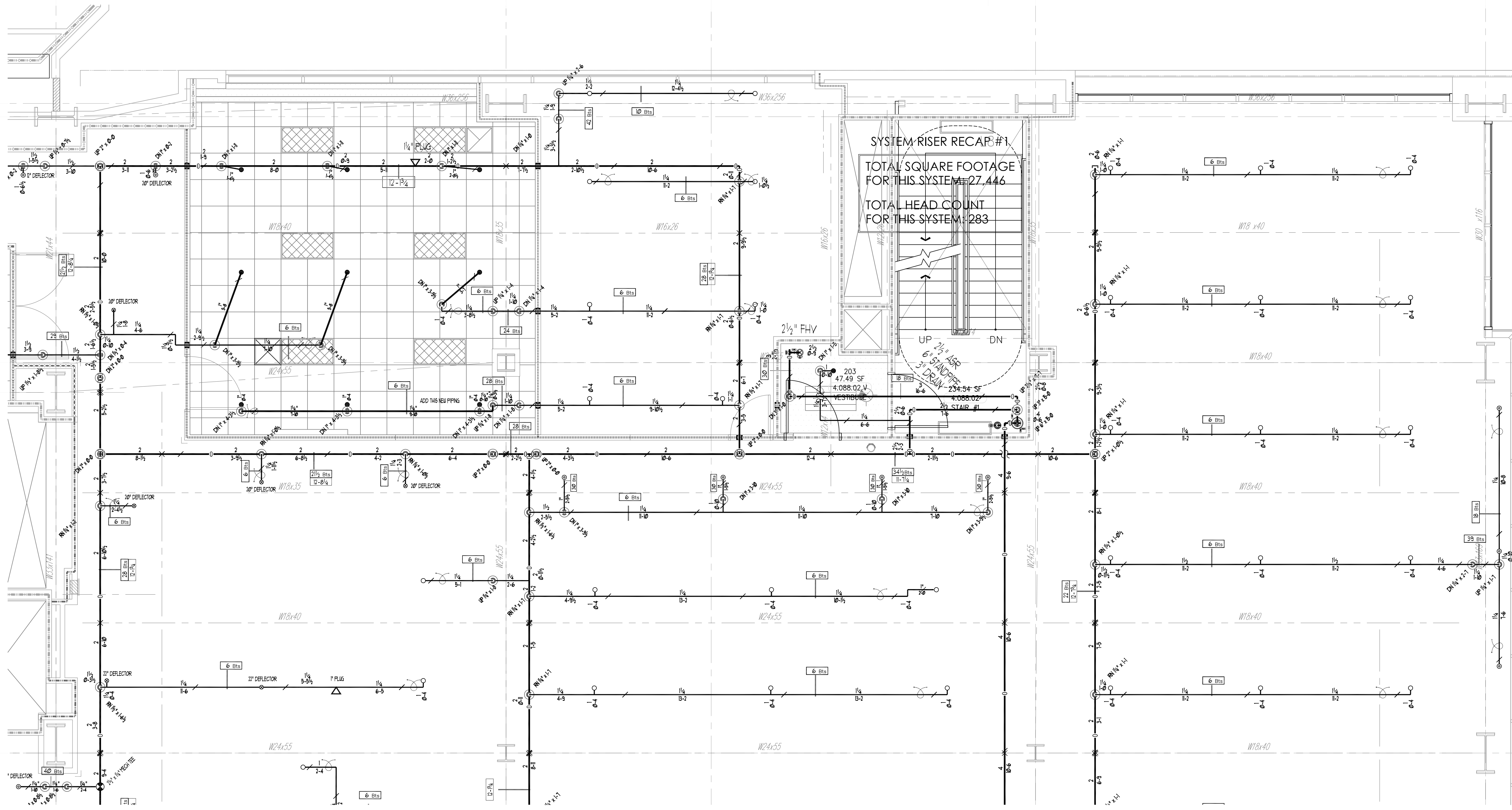
OSHPD No.: IL-072072-30 / INCREMENT #7C - DA#16

August 24, 2010 11:14:38 a.m.
Drawing: I:\C-7196 CHOC\COSECO\CEP 04 DWG

August 24, 2010 11:14:38 a.m.
CHOC\COSCO\CEP 04.DWG

4 key plan 4.DWG\C-shell L4.DWG\C-RCP-4.DWG

Xrefs: 4206075_S2-5A_B_C_D.DWG\X-plan 4.DWG\X-grid core 4.DWG\X-exist 4.DWG\Y-A4.4A.DWG\MC_4TH-SECTION.DWG\E-L3-L4 key plan 4.DWG\C-shell L4.DWG\C-RCP-4.DWG



MCCARTHY APPROVAL

A. Approved as noted for Architectural Review ☐
B. Review and Revisit ☐
C. Rejected ☐

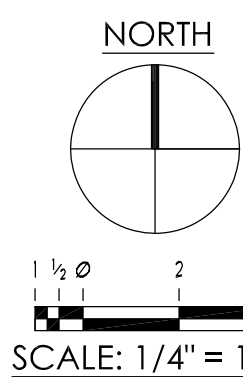
This review is for general conformance with Plans and Specifications only. Any deviations from same not clearly noted by the Engineer have not been reviewed. Review shall not constitute a warranty, check of installed dimensions or count to serve to release the Engineer of contractual responsibility for any error or deviation from contract requirements.

McCarthy

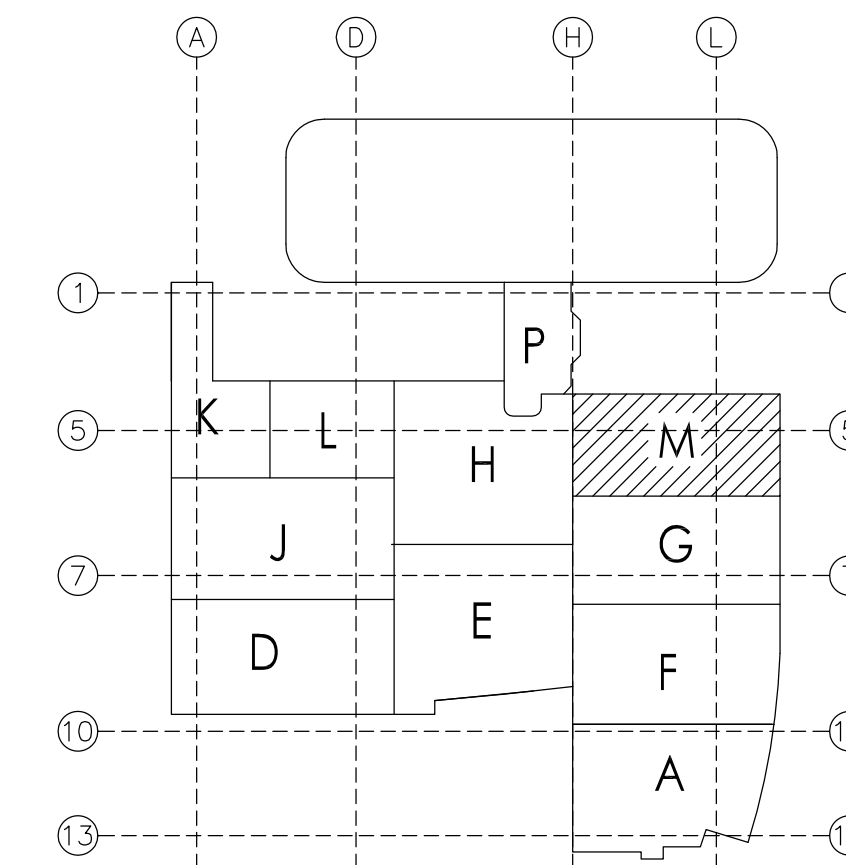
By _____ Date _____
SHOP DRAWING REFERENCE NO. _____

- SYMBOL IDENTIFICATION LEGEND**
- LINE RESTRAINT
 - FIRE STOPPING THROUGH RATED WALL
 - CALCULATION DESIGN AREA
 - HYDRAULIC CALCULATION NODE
 - CENTERLINE OF PIPE BELOW TOP OF STEEL
 - CENTERLINE OF PIPE ABOVE FINISH FLOOR
 - CENTERLINE OF PIPE BELOW DECK (SAME AS TOP OF STEEL)
 - CENTERLINE OF PIPE ABOVE FINISH FLOOR
 - RIGID GROOVED PIPE COUPLING (UNLESS NOTED AS FLEXIBLE)
 - PIPE HANGER TO CONCRETE
 - PIPE HANGER TO STEEL
 - CEILING HEIGHT
- CEILING HEIGHT WILL TYPICALLY BE [9'-0"], UNLESS OTHERWISE NOTED ON THE PLAN.

AS BUILT DRAWING
Pat Fisher 7-30-2012



LEVEL 04 209.30' = 0'-0"
REFERENCE THIS SHEET



KEY PLAN

OSHPD No.: IL-072072-30 / INCREMENT #7C - DA#16

August 24, 2010 11:43:38 a.m.
Drawing: J:\LC-7196\CHOC\COSCO\CFP 04.DWG
Xrefs: 4206075_S2-5A_B_C_D.DWG\X-plan 4.DWG\X-grid core 4.DWG\X-exist 4.DWG\X-V-A4-4A.DWG\VC 4TH-SECTION.DWG\X-E-13-14 key plan 4.DWG\X-sheet 14.DWG\X-RCP-4.DWG\



NO.	DESCRIPTION	DATE	BY
0	OSHPD INCREMENT 7C SUBMITTAL	7-2-09	P.F.
1	OSHPD BACKCHECK #1	3-1-10	P.F.
2	OSHPD BACKCHECK #2	7-15-10	P.F.
3	COORDINATION REVISIONS	12-27-10	P.F.
5	CHANGE ORDER #833 REVISIONS	7-11-12	P.F.

SYMBOL	SN	OFFICE	WPT	K-FACT	HEAD	FINISH	WTP	QUAN.
Wing Midge QR SSP Concealed Pendant	VI462	1/2"	1/2"	5.6	Brass	White	150"	
Wing Midge QR SSP Concealed Pendant	VI654	3/4"	3/4"	8.0	Brass	White	150"	
Wing Midge QR SSP Concealed Pendant	VI300	1/2"	1/2"	5.6	Brass	White	200"	
Wing Midge QR SSP Concealed Pendant	VI302	1/2"	1/2"	5.6	Brass	White	200"	
Wing Midge QR SSP Concealed Pendant	VI303	1/2"	1/2"	5.6	Brass	White	200"	
Wing Midge QR SSP Concealed Pendant	VI305	1/2"	1/2"	5.6	Brass	White	200"	
TOTAL SPINNERS THIS SHEET								

APPROVALS BY: OSHPD

COSCO Fire Protection
FIRE PROTECTION AND LIFE SAFETY SPECIALISTS
LOS ANGELES OFFICE
1003 W. Lombard Rd.
Los Angeles, CA 90015
call (714) 999-1800 ext (714) 999-1020
SAN DIEGO • LOS ANGELES • FRENO • SAN FRANCISCO • SACRAMENTO • PORTLAND • SEATTLE • ANCHORAGE

PROJECT: CHOC Hospital
655 S. Main St
Orange, CA 92668
CONTRACT WITH: McCarthy
20401 Southwest Birch St, Suite 300
Newport Beach, CA 92660
DRAWING TITLE: Level 4 - Area M

DATE: 12-1-09
SCALE: 1/4"=1'-0"
DRAWN BY: P.F.
JOB NO.: LC-7196
SHEET NO.: FP-4.M
2