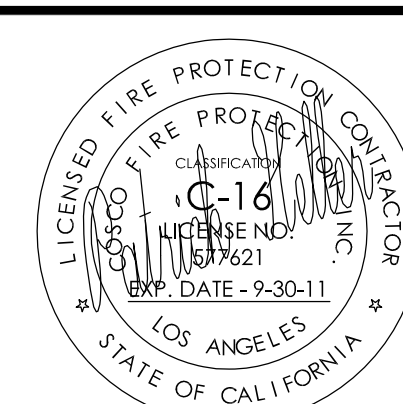




REVISIONS	
NO.	DESCRIPTION
0	OSHPD INCREMENT 7C SUBMITTAL
1	OSHPD BACKCHECK #1
2	OSHPD BACKCHECK #2

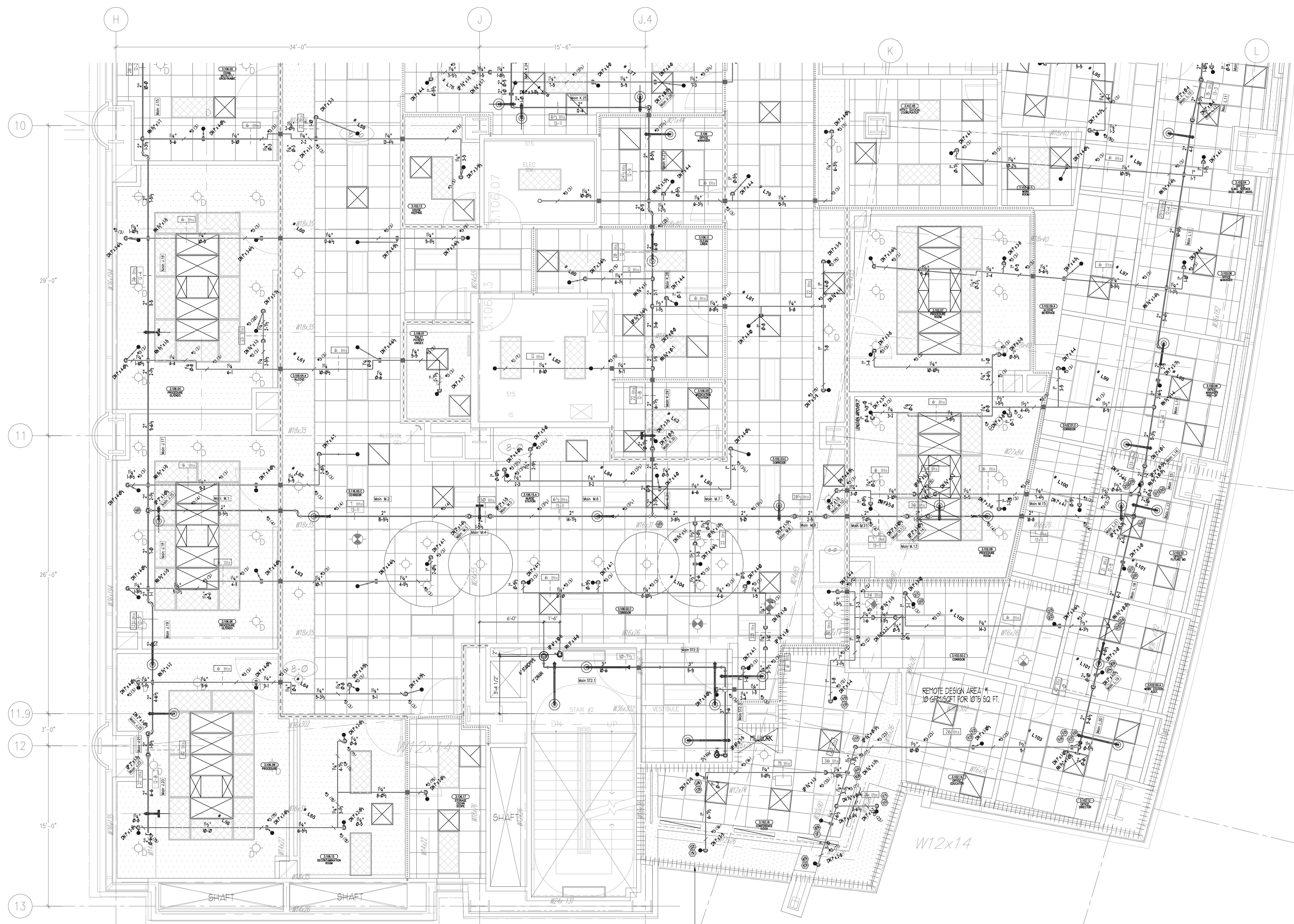
SYMBOL	SPIN	OFFICE	WTF	ACT	HEAD	FINISH	WTF	WTF	WTF
Wing Macro QP SSP Concealed Pendant	WV462	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Wing Macro QP Extended Coverage Concealed Pendant	WV64	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Wing Macro QP SSP Upright	WV300	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Wing Macro QP SSP Upright on 1" Spig	WV302	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Wing Macro QP SSP Pendant	WV302	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Wing Macro QP SSP Pendant Skew	WV302	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"

COSCO Fire Protection
FIRE PROTECTION AND LIFE SAFETY SPECIALISTS
LOS ANGELES COUNTY OFFICE
321 East Garfield Avenue
San Jose, CA 95128
Tel: (408) 297-1100
Fax: (408) 297-1101
www.coscofire.com

CHOC Hospital
255 S. Main St.
Orange, CA 92668
Contract With:
McCarthy
20401 Southwest Birch St., Suite 300
Newport Beach, CA 92660
Tel: (714) 797-7400
Fax: (714) 797-3451
Drawing Title:
Level 3 - Area A

DATE:	12-1-09
SCALE:	1/4"=1'-0"
DRAWN BY:	P.F.
JOB NO.	LC-7196
SHEET NO.	FP-3A

FOR SYSTEM RISER RECAP SEE SHEET FP-3M



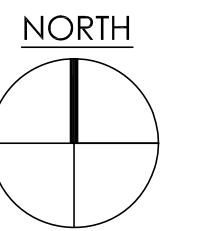
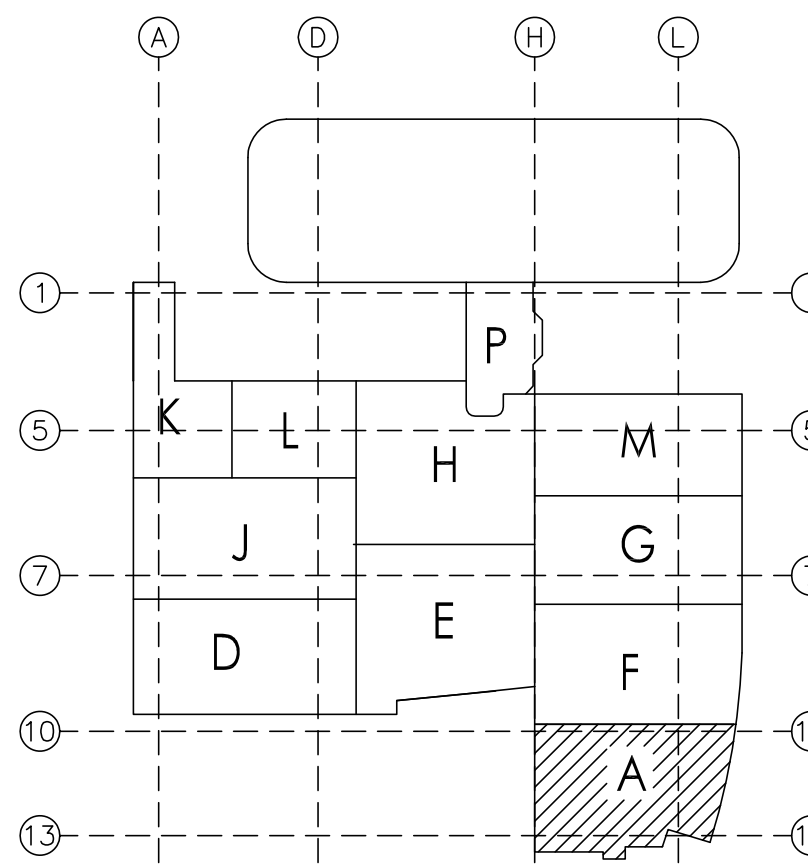
HYDRAULIC DESIGN SYSTEM INFORMATION	
Job Name:	CHOC Hospital
Location:	Level 3 - Area A
Contract No:	LC-7196
Drawing No:	FP-3A
Date:	7-19-10
Density:	10 gpm/sqft for most hydraulically remote: 1076 sqft
Number of sprinklers in design area:	13
Office size:	1/2"
Demand:	289.43 GPM @ 112.47 PSI At: PRV Control Valve
The above information includes a hose stream allowance of:	0 GPM
Occupancy classification:	Light Hazard

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 5-8-2012

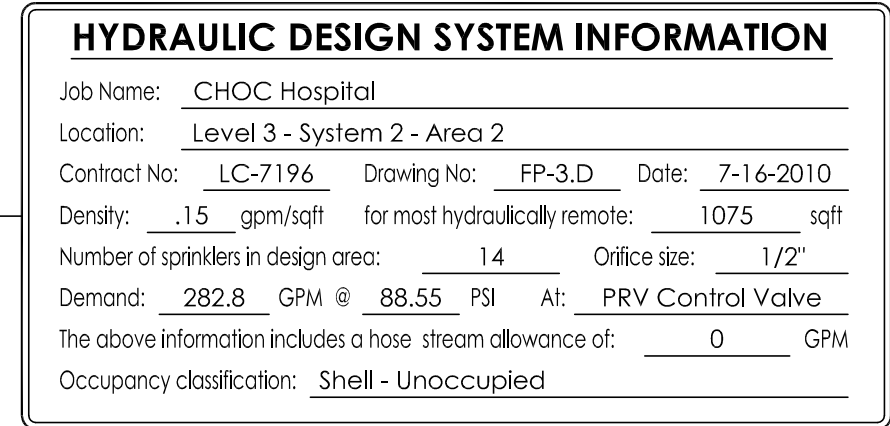


SCALE: 1/4"=1'-0"

LEVEL 03 194.30' = 0'-0"
REFERENCE THIS SHEET

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

August 09, 2010 1:50:03 p.m.
Drawing: J:\LC-7196 CHOC\COSCO\CFP 03.DWG
Xrefs: C:\RCP-3.DWG\VC-shell L3.DWG\VC-A4.A4.DWG\VC-grid core 3.DWG\VC-exist 3.DWG\VC-plan 3.DWG\VC-2007-5, 52-4A, B, C, D.DWG\VC



A. Approved as Noted for Additional Review ☐

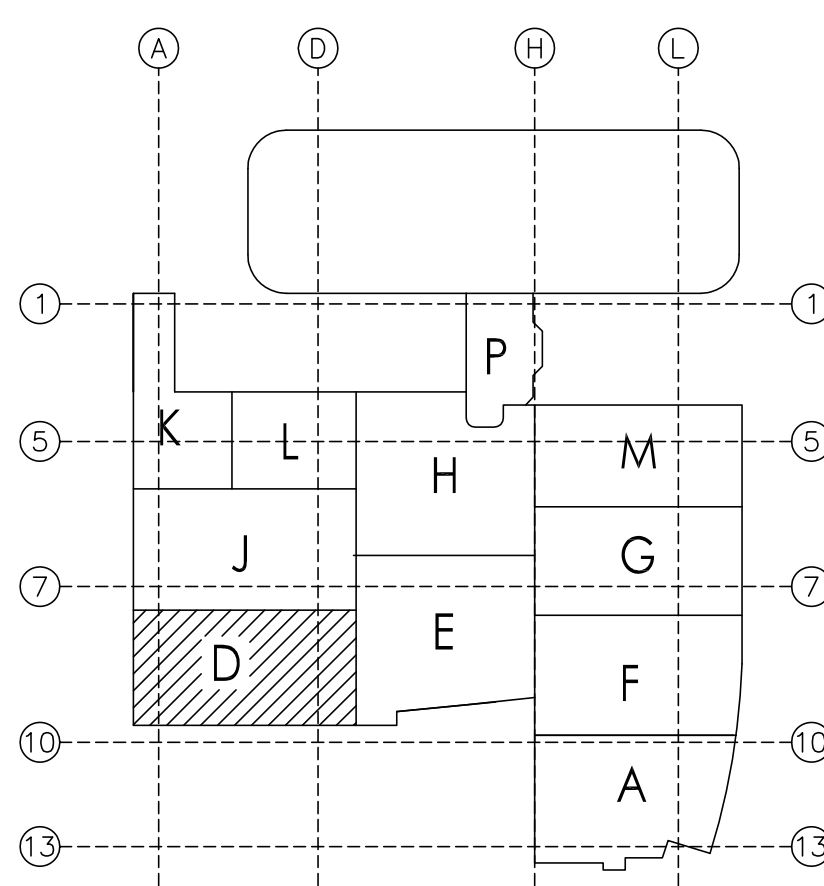
B. Review not Possible ☐

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.

AGENCY APPROVAL

AS BUILT DRAWING
5-8-2012



A1 KEY PLAN

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

August 09, 2010 1:50:03 p.m.
CHOC\COSCO\CFP 03.DWG
A 4004075 S2 4A B C D.DWG

PROJECT: CHOC Hospital
455 S. Main St.
Orange, CA 92868

CONTRACT WITH:
McCarthy
20401 Southwest Birch St, Suite 300
Newport Beach, CA 92660

DATE: 12-1-09

SCALE: 1/4"=1'

DRAWN BY: P.F.

JOB NO.
LC-7196

SHEET NO.

FP-3.0

114

REVISIONS			
NO.	DESCRIPTION	DATE	BY
0	OSHPD INCREMENT 7C 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	OPERATING ROOM RECOORDINATION	4-1-11	P.F.

SPINNER HEAD LEGEND :										QUAN.			
SYMBOL	SIN	OFFICE	NPT	K-FACIT	HEAD FINISH	PLATE FINISH	TWAL	QUAN.					
●	V6462	1/2"	1/2"	5.6	Boss	White	150"						
○	V6464	3/4"	3/4"	8.0	Boss	White	150"						
○	V6300	1/2"	1/2"	5.6	Boss	200"							
○	V6300	1/2"	1/2"	5.6	Boss	200"							
○	V6302	1/2"	1/2"	5.6	Boss	200"							
◄	V6302	1/2"	1/2"	5.6	Boss	200"							

APPROVALS BY:

CSHPD

TOTAL SPINNERS
THIS SHEET =

Fire Protection
FIRE PROTECTION AND LIFE SAFETY SPECIALISTS
CALIFORNIA FIRE 1-800-457-7421
FIRE PROTECTION
1005 N. Lombard Blvd.
Berkeley, California 94701
call (714) 869-1000 (714) 499-1600
SAN DIEGO • LOS ANGELES • PESQUERA • SAN FRANCISCO • AGADIRAN • PORTLAND • SEATTLE • ANCHORAGE

PROJECT	CHOC Hospital 451 S. Janss St. Orange, CA 92668
CONTRACT WITH:	McCarthy 20401 Southwest Birch St., Suite 300 Newport Beach, CA 92660
DRAWING TITLE	Level 3 - Area D

DATE: 12-1-09

SCALE: 1/4"=1'-

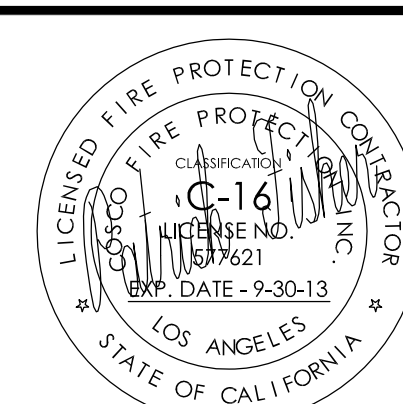
DRAWN BY: P.F.

JOB NO.
LC-7196

SHEET NO.

FP-3.0

1



NO.	DESCRIPTION	REVISIONS	DATE	BY
0	OSHPD INCREMENT 7C SUBMITTAL		12-1-09	P.F.
1	OSHPD BACKCHECK #1		3-1-10	P.F.
2	OSHPD BACKCHECK #2		7-15-10	P.F.
3	OSHPD ROOM RECOORDINATION		4-1-11	P.F.
4	OSHPD CO #27 - CARL LAB #2		12-28-11	P.F.

SYMBOL	SN	OFFICE	WPT	ACT	HEAD	PIPE	FINISH	WTP	QUAN
SPINNER HEAD LEGEND:									
Wing Midge QR SSP Concealed Pendant	VI462	1/2"	1/2"	5.6	Brass	White	150"		
Wing Midge QR Extended Coverage Concealed Pendant	VI644	3/4"	1/2"	8.0	Brass	White	150"		
Wing Microdot QR SSP Inlight	VI300	1/2"	1/2"	5.6	Brass	200"			
Wing Microdot QR SSP Inlight on 1" Spig	VI300	1/2"	1/2"	5.6	Brass	200"			
Wing Microdot QR SSP Pendant	VI302	1/2"	1/2"	5.6	Brass	200"			
Wing Microdot QR SSP Recessed Sidelight	VI305	1/2"	1/2"	5.6	Brass	200"			
APPROVALS BY:									
OSHPD									

FOR SYSTEM RISER RECAP SEE SHEET FP-3-D SYSTEM #2

FOR SYSTEM RISER RECAP SEE SHEET FP-3-M SYSTEM #1

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.

MCCARTHY APPROVAL

A. Approved as noted for Architectural Review

☐

B. Review and Rejected

☐

C. Rejected

☐

This review is for general conformance with Plans and Specifications only. Any deviations from same not clearly noted to the Engineer shall not constitute a review. Review shall not constitute a warranty or check of detailed 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.

KEY PLAN

LEVEL 03 194.30' = 0'-0"

REFERENCE THIS SHEET

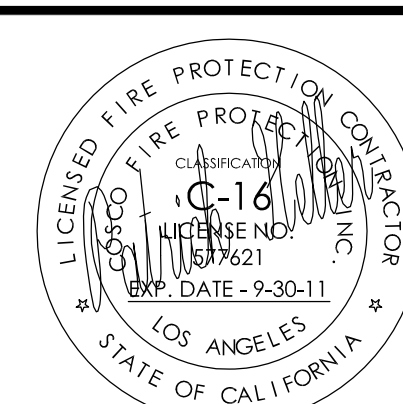
AS BUILT DRAWING
Pat Fisher
5-8-2012

HYDRAULIC DESIGN SYSTEM INFORMATION			
Job Name:	CHOC Hospital		
Location:	Level 3 - System 2 - Area 2		
Contract No:	LC-7196	Drawing No:	FP-3-E
Density:	15 gpm/sqft	for most hydraulically remote:	1075 sqft
Number of sprinklers in design area:	14	Office size:	1/2"
Demand:	259.9 GPM @ 82.81 PSI	At:	PRV Control Valve
The above information includes a hose stream allowance of:	0	GPM	
Occupancy classification:	Shell - Unoccupied		

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

August 09, 2010 1:50:03 p.m.
Drawing: J:\LC-7196 CHOC\COSCO\CFP 03.DWG
Xrefs: C:\RCP-3.DWG\VC-shell L3.DWG\VC-4A.3A.DWG\VC-grid core 3.DWG\VC-plan 3.DWG\4206075_52-4A, B, C, D.DWG\

DATE:	12-1-09
SCALE:	1/4"=1'-0"
DRAWN BY:	P.F.
JOB NO.	LC-7196
SHEET NO.	FP-3-E
345	



SPRINKLER HEAD LEGEND:							
SYMBOL	S/N	OFFICE	NPT	K-FACTOR	HEAD FINISH	GLASS TEMP.	QUANT.
●	VW462	1/2"	1/2"	5.6	Boss	White	150"
●	VW634	3/4"	3/4"	8.0	Boss	White	150"
○	VW460	1/2"	1/2"	5.6	Boss	White	200"
○	VW300	1/2"	1/2"	5.6	Boss	White	200"
○	VW302	1/2"	1/2"	5.6	Boss	White	200"
●	VW305	1/2"	1/2"	5.6	Boss	White	200"

APPROVALS BY:

Vining Mechanical OR SFF Subcontractor

Vining Mechanical OR SFF Subcontractor

Vining Mechanical OR SFF Subcontractor

Vining Mechanical OR SFF Subcontractor

Vining Mechanical OR SFF Subcontractor

Vining Mechanical OR SFF Subcontractor

Vining Mechanical OR SFF Subcontractor

Vining Mechanical OR SFF Subcontractor

COMPS

TOTAL SPRINKLERS =

THIS SHEET

MCCARTHY APPROVAL	
A. Approved as noted for Architectural Review	☐
B. Review and Forwared	☐
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

LOS ANGELES COUNTY OFFICE
 321 East Gardner Street, Second
 Los Angeles, California 90047
 call (323) 351-1585 ext. (0) 323 074

ORANGE COUNTY OFFICE
 500 West Southern Avenue
 Orange, California 92665
 call (714) 970-7745 (7) 917 9343

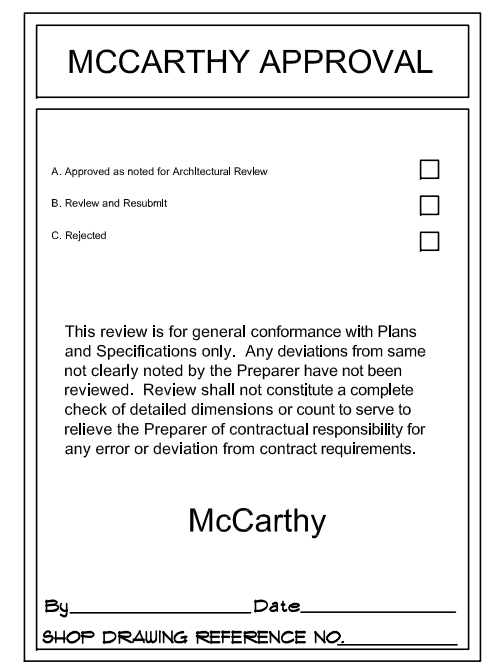
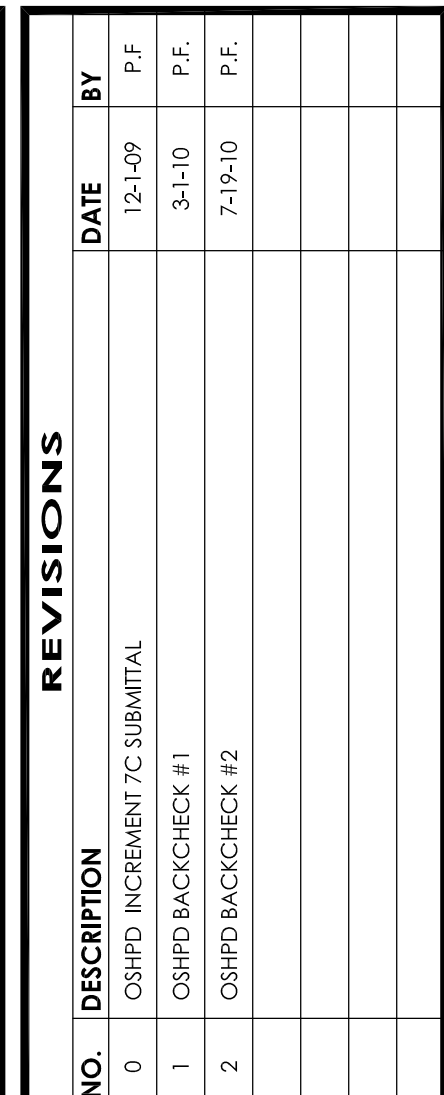
SAN DIEGO • SAN FRANCISCO • LOS ANGELES • PORTLAND • SEATTLE • ANCHORAGE

DATE:	12-1-09
SCALE:	1/4"=1'-0"
DRAWN BY:	P.F.
JOB NO.	LC-7196
SHEET NO.	FP-3.F



A1 KEY PLAN

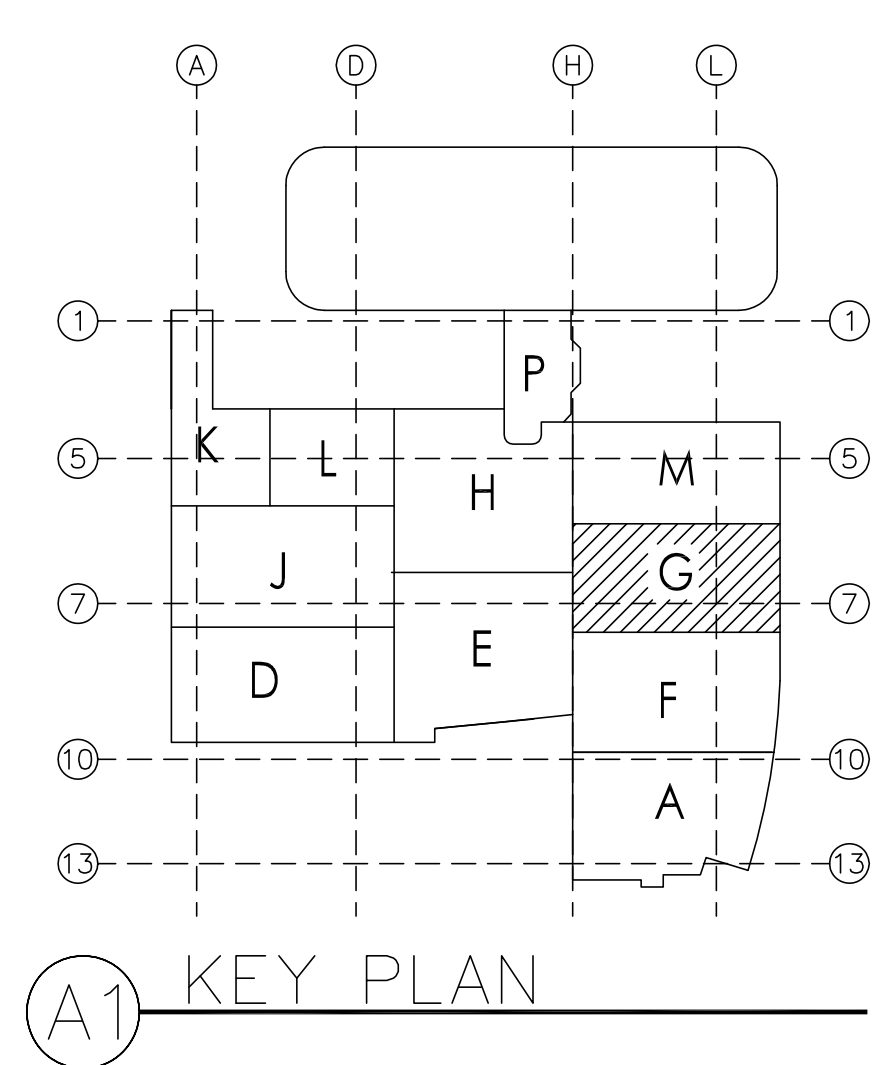
August 09, 2010 1:50:03 p.m.

[illegible]

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 3 - Area G

DATE: 12-1-09	
SCALE: 1/4"=1'-0"	
DRAWN BY: P.F.	
JOB NO. LC-7196	
SHEET NO. FP-3.G	

- LEVEL 03 194.30' = 0'-0"
- REFERENCE THIS SHEET



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



SPRINKLER HEAD LEGEND:	SYMBOL	S/N	OFFICE	NPT	K-FACTOR	NEAR RATED PRESSURE	TEMP.
Viang Minge OR SSP Concealed Pendant	●	V6462	1/2"	1/2"	5.6	Bross	White 150°
Viang Minge OR Extended Coverage Concealed Pendant	●	V6464	3/4"	3/4"	8.0	Bross	White 150°
Viang Minge OR SSP Upright	○	V6300	1/2"	1/2"	5.6	Bross	White 200°
Viang Macaroni OR SSP Upright	○	V6300	1/2"	1/2"	5.6	Bross	200°
Viang Macaroni OR QSP Upright w/ 1" Sprig	○	V6300	1/2"	1/2"	5.6	Bross	200°
Viang Macaroni OR SSP Pendant	●	V6302	1/2"	1/2"	5.6	Bross	200°
Viang Macaroni OR SSP Industrial Sidewall	▲	V6302	1/2"	1/2"	5.6	Bross	200°

OSHPD

**TOTAL SPRINKLERS
THIS SHEET =**

FOR SYSTEM RISER RECAP SEE SHEET EP-3 D SYSTEM #2

FOR SYSTEM RISER RECAP SEE SHEET FP-3.M SYSTEM #1



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

DATE:	12-1-09
SCALE:	1/4"=1'-0"
DRAWN BY:	P.F.
JOB NO. LC-7196	
SHEET NO. FP-3.H	

- 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.

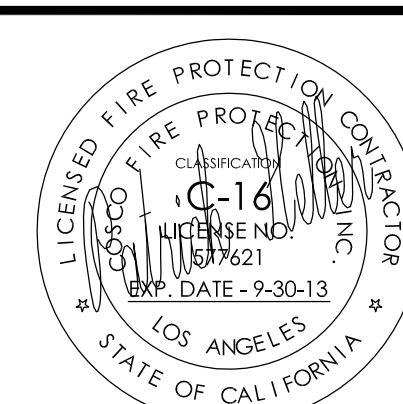
Pat Fisher



LEVEL 03 194.30' = 0'-0"

REFERENCE THIS SHEET

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



SPRINKLER HEAD LEGEND:							
SYMBOL	S/N	ORIFICE	RT	K-FACTOR	HEAD CLASS	TEMP	QUAL
●	VX649	1/2"	1/2"	5.6	Brass	155°	
●	VX649	3/4"	3/4"	8.0	Brass	155°	
○	VX300	1/2"	1/2"	5.6	Brass	200°	
○	VX300	1/2"	1/2"	5.6	Brass	200°	
●	VX302	1/2"	1/2"	5.6	Brass	200°	
●	VX325	1/2"	1/2"	5.6	Brass	200°	

APPROVALS BY:

CSHPD

TOTAL SPRINKLERS THIS SHEET =

COSCO
Fire Protection
FIRE PROTECTION AND LIFE SAFETY SPECIALISTS
CALIFORNIA C.I.U.C. # 57521
LOS ANGELES OFFICE
10000 Wilshire Blvd., Suite 1000
Beverly Hills, California 90210
call (714) 699-1800-toll free (714) 999-1420
SAN DIEGO • LOS ANGELES • RENO • SAN FRANCISCO • KANSAS CITY • PORTLAND • SEATTLE • ANCHORAGE



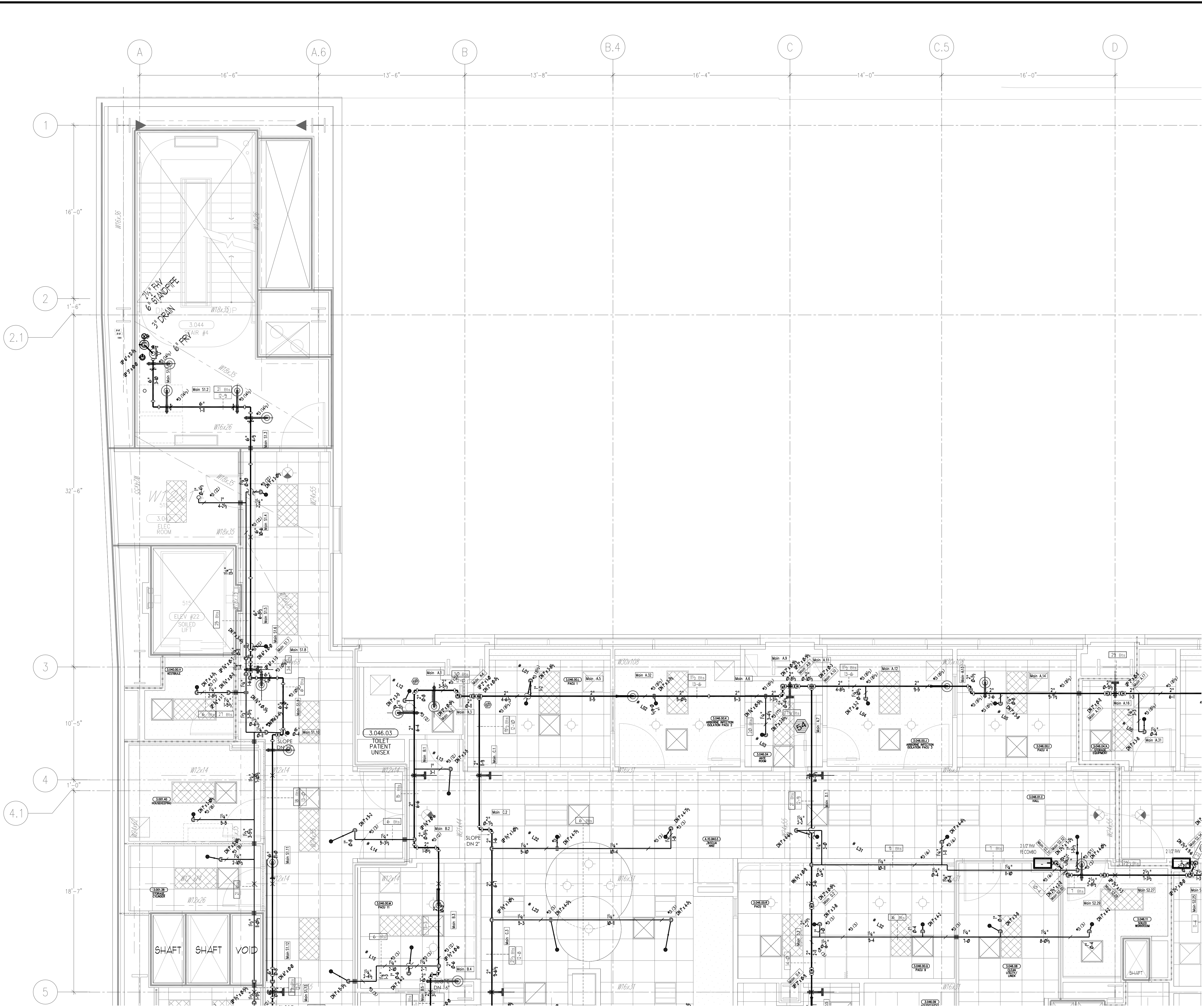
DATE:	12-1-09
SCALE:	1/4"=1'-0"
DRAWN BY:	P.F.
JOB NO.	LC-7196
SHEET NO.	FP-3.J
	3

-

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

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

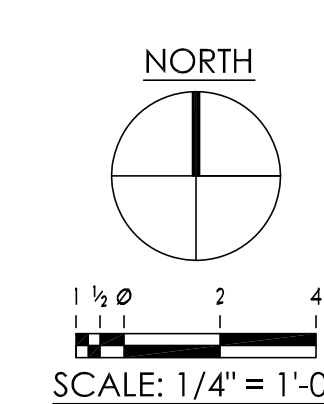
Xrefs: C-RCF-3.DWG\C-shell L3.DWG\Y-A4.3A.DWG\x-grid core 3.DWG\x-exist 3.DWG\x-plan 3.DWG\4206075_S2-4A_B_C_D.DWG



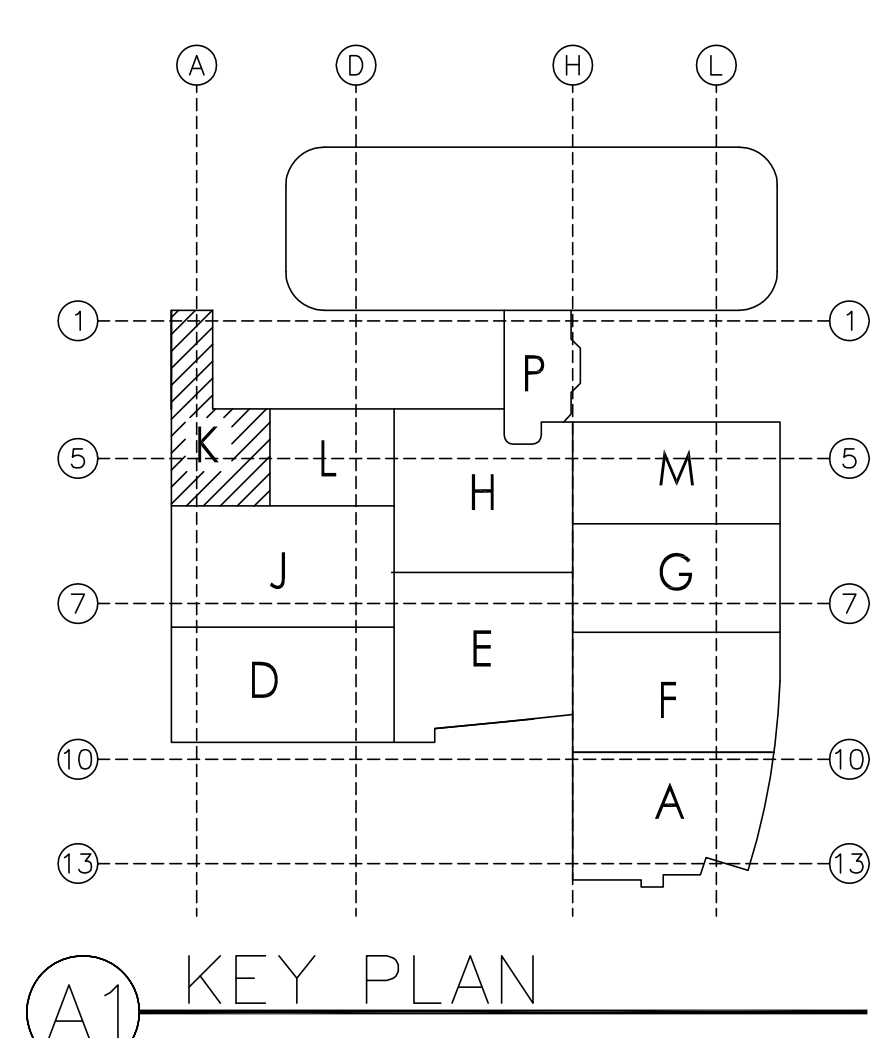
- SYMBOL IDENTIFICATION LEGEND**
- LINE RESTRAINT
 - FIRE STOPPING THROUGH RATED WALL
 - CALCULATION DESIGN AREA
 - HYDRAULIC CALCULATION NODE
 - CENTERLINE OF PIPE BELOW TOP OF STEEL
 - CENTERLINE OF PIPE ABOVE FINISH FLOOR
 - CENTERLINE OF PIPE BELOW DECK (SAME AS TOP OF STEEL)
 - CENTERLINE OF PIPE 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
5-8-2012
Pat Fisher



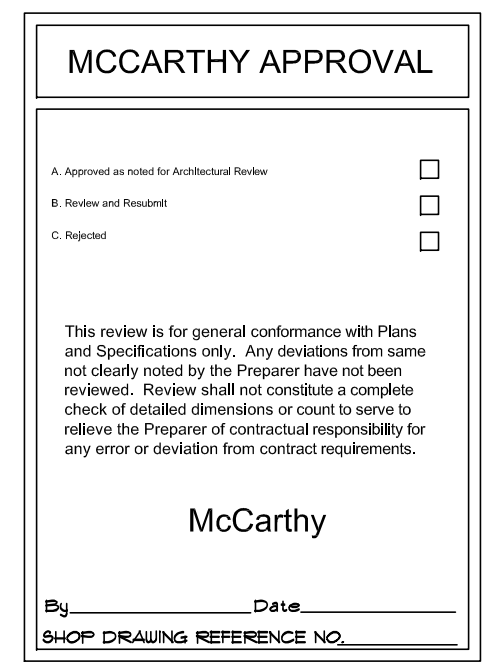
LEVEL 03 194.30' = 0'-0"
REFERENCE THIS SHEET



KEY PLAN

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

FOR SYSTEM RISER RECAP SEE SHEET PP-3.D



NO.	DESCRIPTION	REVISIONS	DATE	BY
0	OSHPD INCREMENT 7C SUBMITTAL		12-1-09	P.F.
1	OSHPD BACKCHECK #1		3-1-10	P.F.
2	OSHPD BACKCHECK #2		7-15-10	P.F.

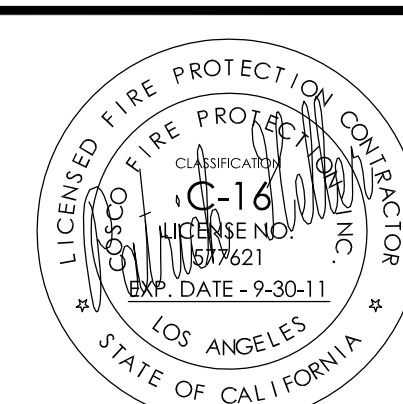
SYMBOL	SYN	OFFICE	MT	ACT	HEAD	FINISH	WTP	QUAN
Wing Microcat QR SSP Concealed Pendant	●	V1462	1/2"	1/2"	5.6	Brass	150"	
Wing Microcat QR SSP Concealed Pendant	●	V1464	3/4"	3/4"	8.0	Brass	150"	
Wing Microcat QR SSP Pendant	○	V1300	1/2"	1/2"	5.6	Brass	200"	
Wing Microcat QR SSP Pendant	○	V1302	1/2"	1/2"	5.6	Brass	200"	
Wing Microcat QR SSP Pendant	○	V1303	1/2"	1/2"	5.6	Brass	200"	
Wing Microcat QR SSP Pendant	○	V1305	1/2"	1/2"	5.6	Brass	200"	
TOTAL SPINNERS								THIS SHEET

COSCO Fire Protection
FIRE PROTECTION AND LIFE SAFETY SPECIALISTS
LOS ANGELES OFFICE
807 S. LAMAR BLVD.
LOS ANGELES, CA 90014
TEL: (213) 889-8000 FAX: (213) 889-1620
SAN DIEGO • LOS ANGELES • FRESNO • 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 3 - Area K

DATE: 12-1-09
SCALE: 1/4"=1'-0"
DRAWN BY: P.F.
JOB NO.: LC-7196
SHEET NO.: FP-3.K
2





REVISIONS	
NO.	DESCRIPTION
0	OSHPD INCREMENT 7C SUBMITTAL
1	OSHPD BACKCHECK #1
2	OSHPD BACKCHECK #2

SYMBOL	SPINER HEAD LEGEND	SYMBOL	SN	OFFICE	WPT	K-FACT	HEAD FINISH	WPT	QUAN
Wing Midge QR SSP Concealed Pendant	Wing Midge QR SSP Concealed Pendant	WV462	1/2"	1/2"	1/2"	5.6	Brass	150"	
Wing Midge QR Extended Coverage Concealed Pendant	Wing Midge QR Extended Coverage Concealed Pendant	WV642	3/4"	3/4"	1/2"	8.0	Brass	150"	
Wing Microdot QR SSP Bright	Wing Microdot QR SSP Bright	WV300	1/2"	1/2"	1/2"	5.6	Brass	200"	
Wing Microdot QR SSP Dimmable	Wing Microdot QR SSP Dimmable	WV302	1/2"	1/2"	1/2"	5.6	Brass	200"	
Wing Microdot QR SSP Recessed Sidelight	Wing Microdot QR SSP Recessed Sidelight	WV303	1/2"	1/2"	1/2"	5.6	Brass	200"	
APPROVALS BY:									TOTAL SPINERS THIS SHEET
OSHPD									

COSCO Fire Protection
FIRE PROTECTION AND LIFE SAFETY SPECIALISTS
LOS ANGELES COUNTY OFFICE
321 East Garfield Avenue
San Gabriel, CA 91776
Call (626) 321-1555 Ext. 310/320/324
SAN DIEGO • LOS ANGELES • FRESNO • SAN FRANCISCO • 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 3 - Area M

MCCARTHY APPROVAL

A. Approved as noted for Additional Review
B. Review and Pass
C. Rejected

This review is for general conformance with Plans and Specifications only. Any conditions not shown and clearly stated by the Prepared Plans and Specifications are not to be construed as a complete check of the drawings or specifications or to be taken as a release of the Engineer of record from his or her responsibility for any error or omission from contract requirements.

McCarthy

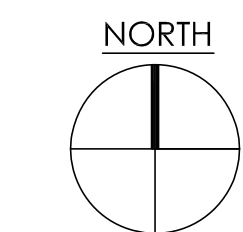
By: _____ Date: _____
SHOP DRAWING REFERENCE NO.

SYMBOL IDENTIFICATION LEGEND

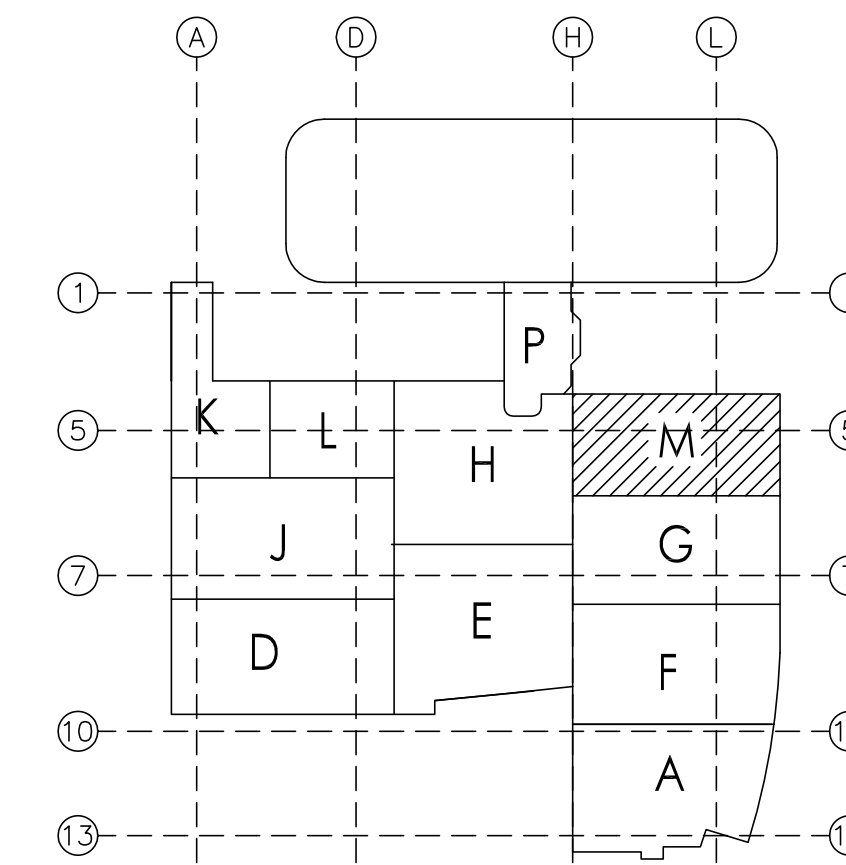
- LINE RESTRAINT
- FIRE STOPPING THROUGH RATED WALL
- CALCULATION DESIGN AREA
- HYDRAULIC CALCULATION NODE
- CENTERLINE OF PIPE BELOW TOP OF STEEL
- CENTERLINE OF PIPE ABOVE FINISH FLOOR
- CENTERLINE OF PIPE BELOW DECK (SAME AS TOP OF STEEL)
- CENTERLINE OF PIPE ABOVE FINISH FLOOR
- RIGID GROOVED PIPE 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 5-8-2012



LEVEL 03 194.30' = 0'-0"
REFERENCE THIS SHEET



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

DATE:	12-1-09
SCALE:	1/4"=1'-0"
DRAWN BY:	P.F.
JOB NO.	LC-7196
SHEET NO.	FP-3.M

