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GENERAL

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G2.03	U.L. ASSEMBLIES	2014-12-30		
G2.04	U.L. ASSEMBLIES	2014-12-30		
G2.05	U.L. ASSEMBLIES	2014-12-30		
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LS.01E	FIRST FLOOR ENLARGED LIFE SAFETY PLAN	2014-12-30	3	05/12/15

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SHEET #	DRAWING TITLE	SHEET ISSUE DATE	CURRENT REVISION	CURRENT REVISION DATE
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A1.04	PHASE IV	2014-12-30	3	05/12/15
A1.05	PHASE V	2014-12-30	3	05/12/15
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A1.07A	PHASE VII-A	2014-12-30	3	05/12/15
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A1.50	ARCHITECTURAL ROOF PLAN	2014-12-30	1	02/03/15
A2.50	ENLARGED TOILET PLANS/ MOUNTING HEIGHTS	2014-12-30		
A2.51	ENLARGED PLANS / INTERIOR ELEVATIONS & DETAILS	2014-12-30	3	05/12/15
A2.52	ENLARGED PLANS / INTERIOR ELEVATIONS & DETAILS	2014-12-30	3	05/12/15
A2.53	ENLARGED PLANS / INTERIOR ELEVATIONS & DETAILS	2014-12-30	1	02/03/15
A2.54	ENLARGED PLANS / INTERIOR ELEVATIONS & DETAILS	2014-12-30	1	02/03/15
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A5.01A	FIRST FLOOR PART A REFLECTED CEILING PLAN	2014-12-30	3	05/12/15
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A6.01	DOOR SCHEDULE	2014-12-30	3	05/12/15
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PDS-03	ACCESSIBILITY DETAILS	2014-12-30		
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S1.00	EXISTING ROOF FRAMING PLAN/ NEW MECHANICAL PLATFORM	2014-12-30	3	5-12-2015
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S1.02	EXISTING BEARING WALL DEMOLITION AND FRAMING PLANS	02-03-2015	3	5-12-2015
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M1.04	MECHANICAL PHASE IV	2014-12-30	3	5-12-2015
M1.05	MECHANICAL PHASE V	2014-12-30	3	5-12-2015
M1.06	MECHANICAL PHASE VI	2014-12-30	3	5-12-2015
M1.07A	MECHANICAL PHASE VII-A	2014-12-30	3	5-12-2015
M1.07B	MECHANICAL PHASE VII-B	2014-12-30		
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M2.02	MECHANICAL ROOF PLAN PHASE II	2014-12-30		
M2.03	MECHANICAL ROOF PLAN - PHASE III	2014-12-30		
M2.04	MECHANICAL ROOF PLAN - PHASE IV	2014-12-30		
M2.05	MECHANICAL ROOF PLAN - PHASE V	2014-12-30		
M2.06	MECHANICAL ROOF PLAN - PHASE VI	2014-12-30		
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M3.00	MECHANICAL PLAN - CENTRAL PLANT	2014-12-30		
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M4.02	HVAC DETAILS	2014-12-30		
M4.03	HVAC DETAILS	2014-12-30		
M4.04	HVAC DETAILS	2014-12-30		
M4.05	HVAC DETAILS	2014-12-30		
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M4.07	HVAC DETAILS	2014-12-30		
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E0.02	ELECTRICAL FIXTURE SCHEDULE	2014-12-30		
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E1.00	ELECTRICAL ORIENTATION PLAN	2014-12-30		
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E1.02	ELECTRICAL PHASE II PLAN	2014-12-30	3	5-12-2015
E1.03	ELECTRICAL PHASE III PLAN	2014-12-30	3	5-12-2015
E1.04	ELECTRICAL PHASE IV PLAN	2014-12-30		
E1.05	ELECTRICAL PHASE V PLAN	2014-12-30	1	2-3-2015
E1.06	ELECTRICAL PHASE VI PLAN	2014-12-30	3	5-12-2015
E1.07A	ELECTRICAL PHASE VII-A PLAN	2014-12-30	3	5-12-2015
E1.07B	ELECTRICAL PHASE VII-B PLAN	2014-12-30		
E1.50A	ROOF PLAN - ELECTRICAL	2014-12-30		
E2.00	ELECTRICAL DETAILS	2014-12-30		
E3.00	ELECTRICAL PANEL SCHEUULES	2014-12-30	3	5-12-2015
E3.01	ISOLATION PANEL SCHEDULES	2014-12-30	1	2-3-2015
E4.00	ELECTRICAL ONE-LINE DIAGRAM	2014-12-30	1	2-3-2015
E5.00	EQUIPMENT BOOM ELEVATIONS	2014-12-30		

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P0.01	PLUMBING DETAILS, NOTES, & SCHEDULES	2014-12-30	3	5-12-2015
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P1.01	MEDICAL GAS ORIENTATION PLAN	2014-12-30	3	5-12-2015
P2.01	PLUMBING PHASE I	2014-12-30		
P2.02	PLUMBING PHASE II	2014-12-30	3	5-12-2015
P2.03	PLUMBING PHASE III	2014-12-30	3	5-12-2015
P2.04	PLUMBING PHASE IV	2014-12-30	3	5-12-2015
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P2.07B	PLUMBING PHASE VII-B	2015-01-28		
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P3.02	WASTE & VENT RISER DIAGRAM	2015-03-04	2	3-4-2015

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T1.00A	FIRST FLOOR TELECOMMUNICATIONS PLAN - PART A	2014-12-30		
T1.00B	FIRST FLOOR TELECOMMUNICATIONS PLAN - PART B	2014-12-30		
T1.01	TELECOMMUNICATIONS PHASE I	2014-12-30		
T1.02	TELECOMMUNICATIONS PHASE II	2014-12-30	3	5-12-2015
T1.03	TELECOMMUNICATIONS PHASE III	2014-12-30	1	2-3-2015
T1.04	TELECOMMUNICATIONS PHASE IV	2014-12-30	1	2-3-2015
T1.05	TELECOMMUNICATIONS PHASE V	2014-12-30	1	2-3-2015
T1.06	TELECOMMUNICATIONS PHASE VI	2014-12-30	2	3-4-2015
T1.07A	TELECOMMUNICATIONS PHASE VII-A	2014-12-30		
T1.07B	TELECOMMUNICATIONS PHASE VII-B	2014-12-30		
T3.01	TELECOMMUNICATIONS - DETAILS	2014-12-30		
T3.02	TELECOMMUNICATIONS - ELEVATIONS	2014-12-30		

OMITTED SHEETS

P2.05 (3)

3 CHANGED P2.05 TO P2.05A, ADDED P2.05B

3 UPDATED CURRENT REVISION LIST

This sheet of drawings has not been reviewed for code compliance.

REVISION TO PERMIT#
2015-916473-LT

City of Aurora Building Division
Project: *Plan Revisions*
Address: *REV-1501 S POTOMAC ST*
Occupancy Group: *IBC I-2 IBC I-2*
Construction Type: *IBC TYPE IA-SPK*
RSN: *1066039*
Permit: *15-1028456 REV*

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y. Munoz*
Date: *Dec 17, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *2015-1028456-LT*

ESa
Earl Swensson Associates, Inc.
richard l. miller, architect
2100 West End Avenue, Suite 1200
Vanderbilt Plaza
Nashville Tennessee 37203
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Seals

STATE OF COLORADO
RICHARD L. MILLER
301983
5-12-15
LICENSED ARCHITECT

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15
Revision 3	05/12/15

Issue Description	CD
Issue Date	2014-12-30
Project No	14077.00
Drawn By: Author	Checked By: Checker

Drawing Title

INDEX SHEET

Sheet Number

G1.01

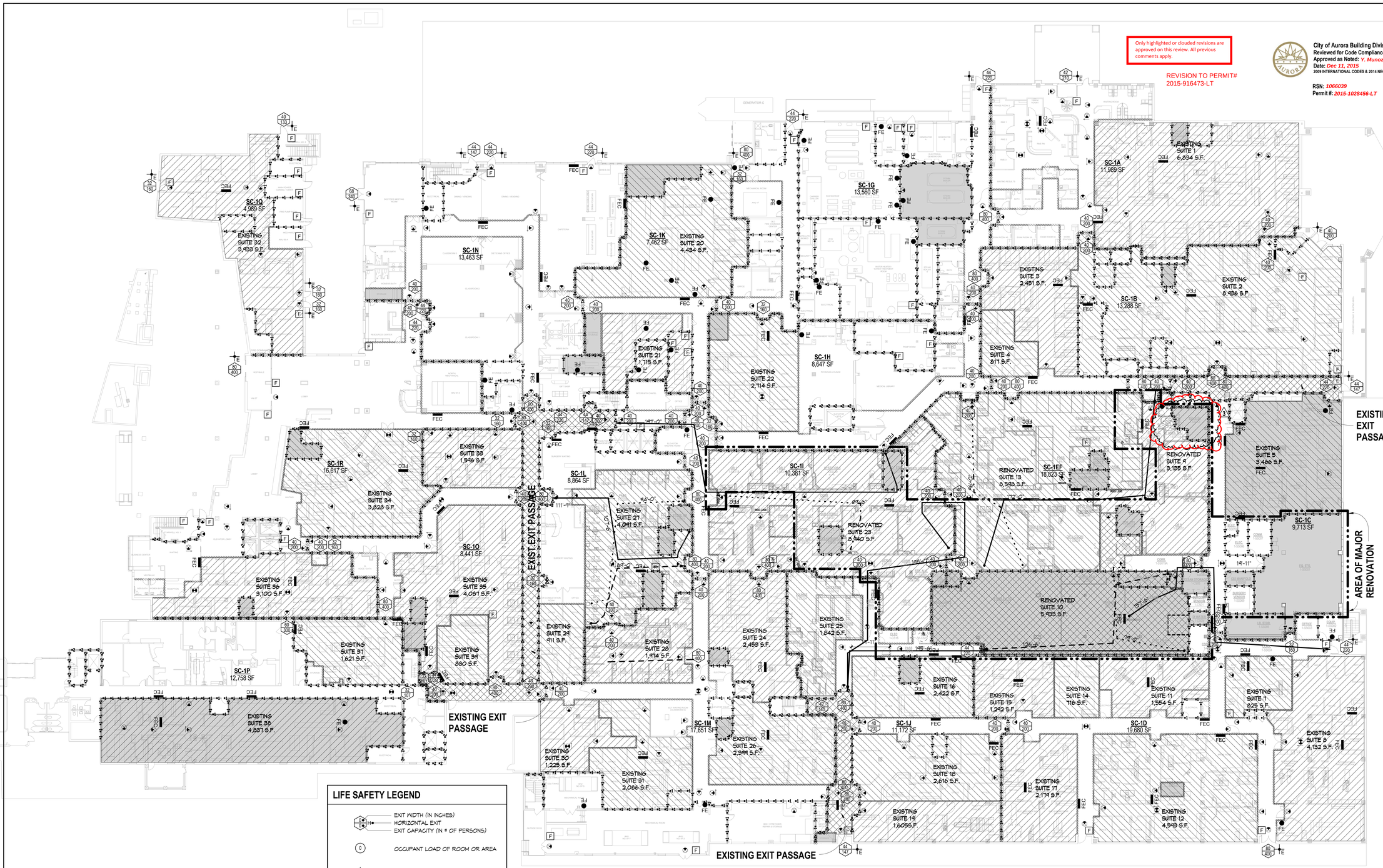
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Only highlighted or clouded revisions are approved on this review. All previous comments apply.

REVISION TO PERMIT# 2015-916473-LT

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y. Munoz*
Date: *Dec 11, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *2015-1028456-LT*



LIFE SAFETY LEGEND

- EXIT WIDTH (IN INCHES) / HORIZONTAL EXIT / EXIT CAPACITY (IN # OF PERSONS)
- 0 — OCCUPANT LOAD OF ROOM OR AREA
- E — EXIT DISCHARGE
- XX'-XX' — COMMON PATH OF TRAVEL DISTANCE
- XX'-XX' — TRAVEL DISTANCE TO AN EXIT
- XX'-XX' — TRAVEL DISTANCE TO A SMOKE COMPARTMENT
- SUITE AREA
- HAZARDOUS AREA
- FHC — FIRE HOSE CABINET
- FEC — FIRE EXTINGUISHER CABINET
- FE — FIRE EXTINGUISHER
- EXIT LIGHT & DIRECTIONAL ARROWS

PARTITION LEGEND

	SMOKE PARTITION
■1 ■1	1-HOUR FIRE BARRIER
■1 ■1	1-HOUR FIRE + SMOKE BARRIER
■2 ■2	2-HOUR FIRE BARRIER
■2 ■2	2-HOUR FIRE + SMOKE BARRIER
■3 ■3	3-HOUR FIRE + SMOKE BARRIER
■4 ■4	4-HOUR FIRE + SMOKE BARRIER

FIRST FLOOR LIFE SAFETY PLAN

SCALE: 1" = 20'-0"

Comments	SMOKE COMPARTMENT DATA		BUILDING USE AND OCCUPANCY LOAD DATA						BUILDING EXIT CAPACITY DATA			
	AREA NAME	AREA	CONSTRUCTION TYPE	OCCUPANCY CLASSIFICATION	USE CLASSIFICATION	OCCUPANT LOAD FACTOR	GROSS / NET	OCCUPANT LOAD	EGRESS COMPONENT TYPE	CAPACITIY FACTOR (IN. PER OCCUPANT)	TOTAL EXIT WIDTH (IN.) REQUIRED	TOTAL EXIT WIDTH (IN.) PROVIDED
NO CHANGE	SC-1A	11,989 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	50	NON-STAIR	0.2	11	202
NO CHANGE	SC-1B	13,288 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	56	NON-STAIR	0.2	12	400
REDUCED	SC-1C	9,713 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	41	NON-STAIR	0.2	9	196
NO CHANGE	SC-1D	19,680 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	82	COMBINATION	0.3	25	204
COMBINED	SC-1EF	18,823 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	79	NON-STAIR	0.2	16	284
NO CHANGE	SC-1G	13,560 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	57	NON-STAIR	0.2	12	208
NO CHANGE	SC-1H	8,647 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	37	NON-STAIR	0.2	8	224
ENLARGED	SC-1I	10,381 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	44	NON-STAIR	0.2	9	280
REDUCED	SC-1J	11,172 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	47	NON-STAIR	0.2	10	80
NO CHANGE	SC-1K	7,462 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	32	NON-STAIR	0.2	7	152
NO CHANGE	SC-1L	8,864 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	37	NON-STAIR	0.2	8	336
NO CHANGE	SC-1M	17,651 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	74	NON-STAIR	0.2	15	160
NO CHANGE	SC-1N	13,463 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	57	NON-STAIR	0.2	12	336
NO CHANGE	SC-1O	8,441 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	36	NON-STAIR	0.2	8	204
NO CHANGE	SC-1P	12,758 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	54	NON-STAIR	0.2	11	120
NO CHANGE	SC-1Q	4,989 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	21	NON-STAIR	0.2	5	136
NO CHANGE	SC-1R	16,617 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	70	NON-STAIR	0.2	14	300
Grand total		207,498 SF						873			191	3822

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Seals

STATE OF COLORADO
RICHARD L. MILLER
301993
5-13-15
LICENSED ARCHITECT

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15
Revision 3	05/12/15

Issue Description	REV 2
Issue Date	2014-12-30
Project No	14077.00
Drawn By	DGG
Checked By	CP

Drawing Title

FIRST FLOOR OVERALL LIFE SAFETY PLAN

Sheet Number

LS.01

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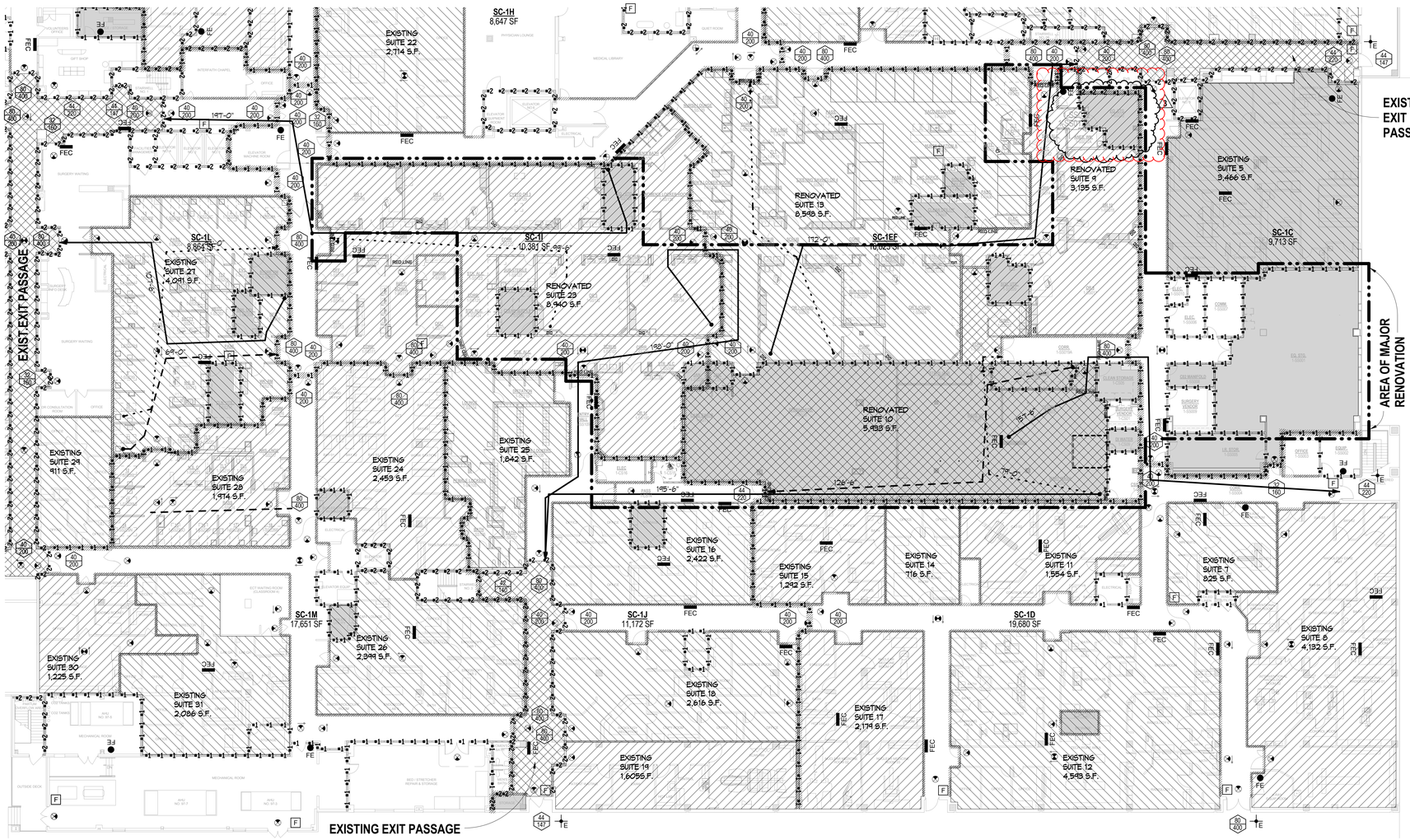
Comments	SMOKE COMPARTMENT DATA		BUILDING USE AND OCCUPANCY LOAD DATA						BUILDING EXIT CAPACITY DATA			
	AREA NAME	AREA	CONSTRUCTION TYPE	OCCUPANCY CLASSIFICATION	USE CLASSIFICATION	OCCUPANT LOAD FACTOR	GROSS / NET	OCCUPANT LOAD	EGRESS COMPONENT TYPE	CAPACITIY FACTOR (IN. PER OCCUPANT)	TOTAL EXIT WIDTH (IN.) REQUIRED	TOTAL EXIT WIDTH (IN.) PROVIDED
NO CHANGE	SC-1A	11,984 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	50	NON-STAIR	0.2	11	202
NO CHANGE	SC-1B	13,288 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	56	NON-STAIR	0.2	12	400
REDUCED	SC-1C	9,713 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	41	NON-STAIR	0.2	9	196
NO CHANGE	SC-1D	19,680 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	82	COMBINATION	0.3	25	204
COMBINED	SC-1EF	18,823 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	79	NON-STAIR	0.2	16	264
NO CHANGE	SC-1G	13,560 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	57	NON-STAIR	0.2	12	208
NO CHANGE	SC-1H	8,647 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	37	NON-STAIR	0.2	8	224
ENLARGED	SC-1I	10,381 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	44	NON-STAIR	0.2	9	280
REDUCED	SC-1J	11,172 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	47	NON-STAIR	0.2	10	80
NO CHANGE	SC-1K	7,462 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	32	NON-STAIR	0.2	7	152
NO CHANGE	SC-1L	8,864 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	37	NON-STAIR	0.2	8	336
NO CHANGE	SC-1M	17,651 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	74	NON-STAIR	0.2	15	160
NO CHANGE	SC-1N	13,463 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	57	NON-STAIR	0.2	12	336
NO CHANGE	SC-1O	8,441 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	36	NON-STAIR	0.2	8	204
NO CHANGE	SC-1P	12,758 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	54	NON-STAIR	0.2	11	120
NO CHANGE	SC-1Q	4,984 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	21	NON-STAIR	0.2	5	136
NO CHANGE	SC-1R	16,617 SF	TYPE I A	INSTITUTIONAL I-2	INSTITUTIONAL AREAS - INPATIENT TREATMENT AREAS	240 SF	GROSS	70	NON-STAIR	0.2	14	300
Grand total		207,498 SF						873			191	3822

LIFE SAFETY LEGEND

- EXIT WIDTH (IN INCHES) / HORIZONTAL EXIT / EXIT CAPACITY (IN # OF PERSONS)
- OCCUPANT LOAD OF ROOM OR AREA
- EXIT DISCHARGE
- XX'-XX" — COMMON PATH OF TRAVEL DISTANCE
- XX'-XX" — TRAVEL DISTANCE TO AN EXIT
- XX'-XX" — TRAVEL DISTANCE TO A SMOKE COMPARTMENT
- SUITE AREA
- HAZARDOUS AREA
- FHC — FIRE HOSE CABINET
- FEC — FIRE EXTINGUISHER CABINET
- FE — FIRE EXTINGUISHER
- EXIT LIGHT & DIRECTIONAL ARROWS

WALL LEGEND

- EXISTING NON-RATED PARTITION TO 4" ABOVE CEILING
- EXISTING NON-RATED PARTITION TO DECK
- EXISTING SMOKE PARTITION TO DECK
- EXISTING 1-HOUR FIRE BARRIER
- EXISTING 1-HOUR SMOKE BARRIER
- EXISTING 1-HOUR RATED SHAFT WALL BARRIER
- EXISTING 2-HOUR FIRE BARRIER
- EXISTING 2-HOUR SMOKE BARRIER
- EXISTING 2-HOUR RATED SHAFT WALL BARRIER
- EXISTING NON-RATED C.M.U. PARTITION TO DECK
- EXISTING 1-HOUR C.M.U. FIRE BARRIER TO DECK
- EXISTING 2-HOUR C.M.U. FIRE BARRIER TO DECK
- EXISTING 3-HOUR C.M.U. FIRE BARRIER TO DECK
- EXISTING 1-HOUR C.M.U. SMOKE BARRIER TO DECK
- EXISTING 2-HOUR C.M.U. SMOKE BARRIER TO DECK
- EXISTING CAST-IN-PLACE CONC.
- EXISTING 2-HOUR CONC. FIRE BARRIER
- EXISTING 2-HOUR CONC. SMOKE BARRIER
- NON-RATED PARTITION TO 4" ABOVE CEILING
- NON-RATED PARTITION TO DECK
- SMOKE PARTITION TO DECK
- 1-HOUR FIRE BARRIER
- 1-HOUR SMOKE BARRIER
- 1-HOUR RATED SHAFT WALL BARRIER
- 2-HOUR FIRE BARRIER
- 2-HOUR SMOKE BARRIER
- 2-HOUR RATED SHAFT WALL BARRIER
- NON-RATED C.M.U. PARTITION TO DECK
- 1-HOUR C.M.U. FIRE BARRIER TO DECK
- 2-HOUR C.M.U. FIRE BARRIER TO DECK
- 3-HOUR C.M.U. FIRE BARRIER TO DECK
- 1-HOUR C.M.U. SMOKE BARRIER TO DECK
- 2-HOUR C.M.U. SMOKE BARRIER TO DECK
- CAST-IN-PLACE CONC.
- 2-HOUR CONC. FIRE BARRIER
- 2-HOUR CONC. SMOKE BARRIER

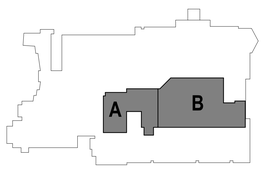


FIRST FLOOR LIFE SAFETY PLAN

SCALE: 1/16" = 1'-0"

PARTITION LEGEND

- SMOKE PARTITION
- 1 1 — 1-HOUR FIRE BARRIER
- 1 1 — 1-HOUR FIRE + SMOKE BARRIER
- 2 2 — 2-HOUR FIRE BARRIER
- 2 2 — 2-HOUR FIRE + SMOKE BARRIER
- 3 3 — 3-HOUR FIRE + SMOKE BARRIER
- 4 4 — 4-HOUR FIRE + SMOKE BARRIER



FIRST FLOOR KEY PLAN

Only highlighted or clouded revisions are approved on this review. All previous comments apply.

REVISION TO PERMIT# 2015-916473-LT

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y. Munoz*
Date: *Dec 11, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *2015-1028456-LT*

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STATE OF COLORADO — RICHARD L. MILLER — 301983 — 5-12-15 — LICENSED ARCHITECT

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15
Revision 2	03/04/15
Revision 3	05/12/15

Issue Description	REV 2
Issue Date	2014-12-30
Project No	14077.00
Drawn By	DGG
Checked By	CP

Drawing Title

FIRST FLOOR ENLARGED LIFE SAFETY PLAN

Sheet Number

LS.01E

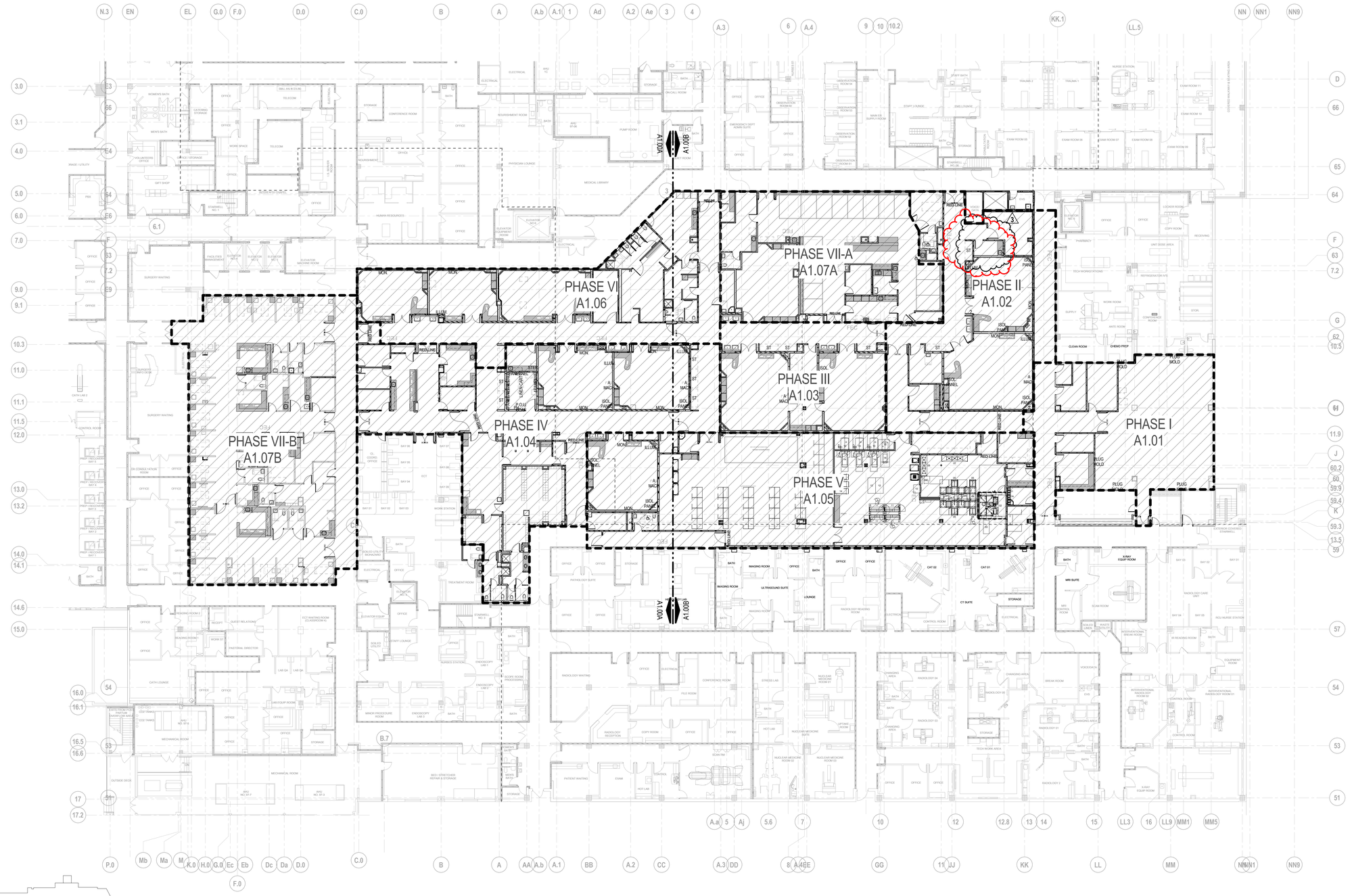
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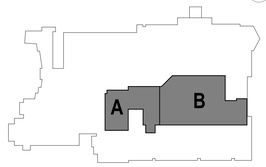
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RSN: *1056039*
Permit #: *2015-1028456-LT*





FIRST FLOOR KEY PLAN

THE TOTAL SQUARE FOOTAGE OF THE RENOVATED AREA FOR ALL PHASES IS 42,268 SF

FIRST FLOOR ORIENTATION PLAN
SCALE: 1/16" = 1'-0"

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RICHARD L. MILLER
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5-12-15
LICENSED ARCHITECT

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DOCUMENT CHANGES

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Revision 2	03/04/15
Revision 3	05/12/15

Issue Description	REV 2
Issue Date	2014-12-30
Project No	14077.00
Drawn By WZW	Checked By CP

Drawing Title

FIRST FLOOR ORIENTATION PLAN

Sheet Number

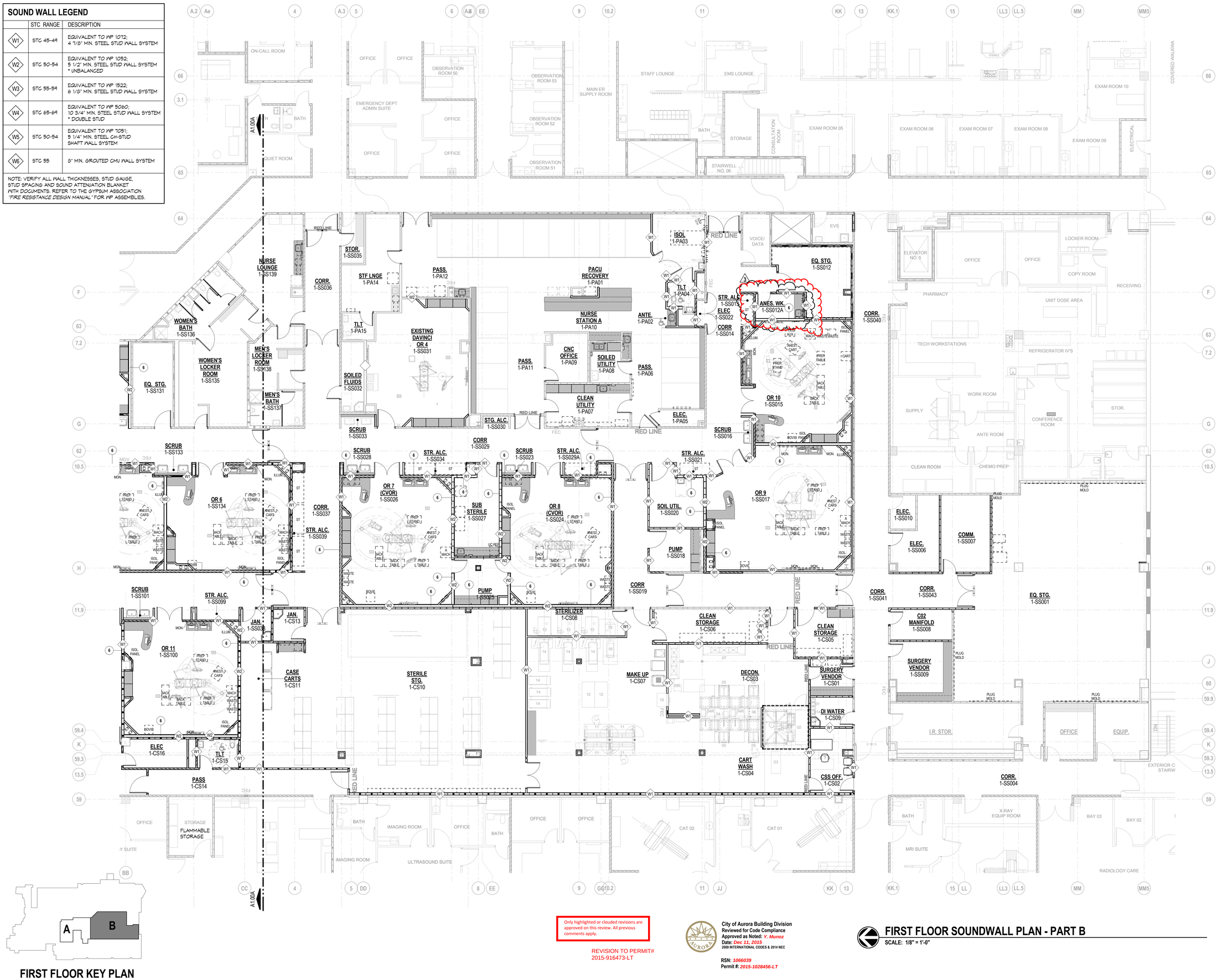
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SOUND WALL LEGEND

	STC RANGE	DESCRIPTION
W1	STC 45-49	EQUIVALENT TO WP 1072; 4 7/8" MIN. STEEL STUD WALL SYSTEM
W2	STC 50-54	EQUIVALENT TO WP 1052; 5 1/2" MIN. STEEL STUD WALL SYSTEM * UNBALANCED
W3	STC 55-59	EQUIVALENT TO WP 1522; 6 1/8" MIN. STEEL STUD WALL SYSTEM
W4	STC 65-69	EQUIVALENT TO WP 5060; 10 3/4" MIN. STEEL STUD WALL SYSTEM * DOUBLE STUD
W5	STC 50-54	EQUIVALENT TO WP 1051; 5 1/4" MIN. STEEL CH-STUD SHAFT WALL SYSTEM
W6	STC 55	8" MIN. GROUTED CMU WALL SYSTEM

NOTE: VERIFY ALL WALL THICKNESSES, STUD GAUGE, STUD SPACING AND SOUND ATTENUATION BLANKET WITH DOCUMENTS. REFER TO THE GYPSUM ASSOCIATION "FIRE RESISTANCE DESIGN MANUAL" FOR WP ASSEMBLIES.



FIRST FLOOR KEY PLAN

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RSN: *1066039*
Permit #: *2015-1028456-LT*

FIRST FLOOR SOUNDWALL PLAN - PART B

SCALE: 1/8" = 1'-0"

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STATE OF COLORADO
RICHARD L. MILLER
301983
5-12-15
LICENSED ARCHITECT

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

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Issue Description	REV 2
Issue Date	2014-12-30
Project No	14077.00
Drawn By WZW	Checked By CP

Drawing Title

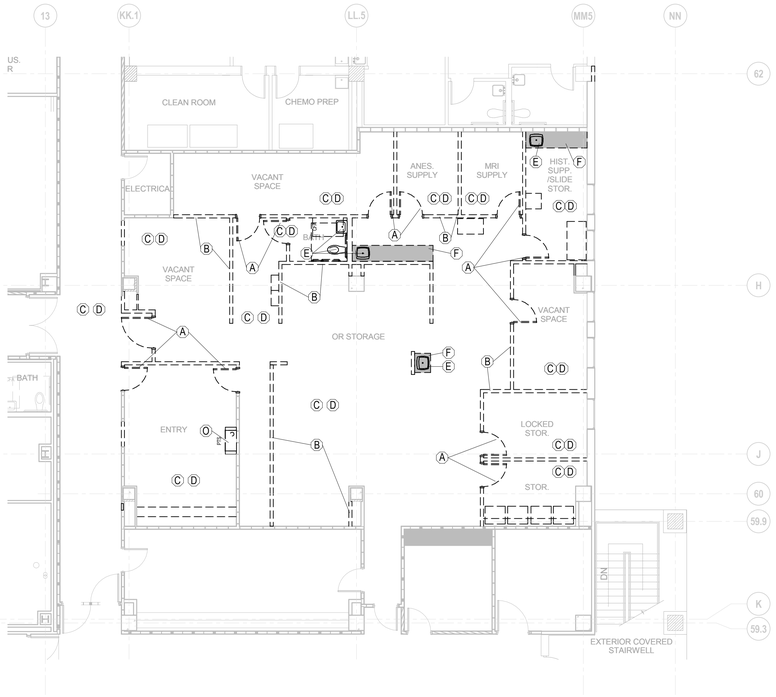
FIRST FLOOR SOUNDWALL PLAN - PART B

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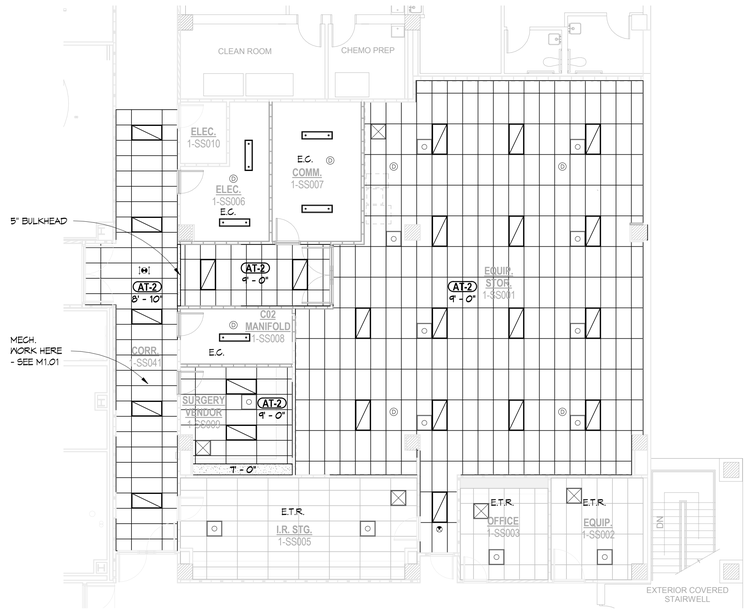
REVISION TO PERMIT#
2015-916473-LT



DEMOLITION PLAN - PHASE I

SCALE: 1/8" = 1'-0"

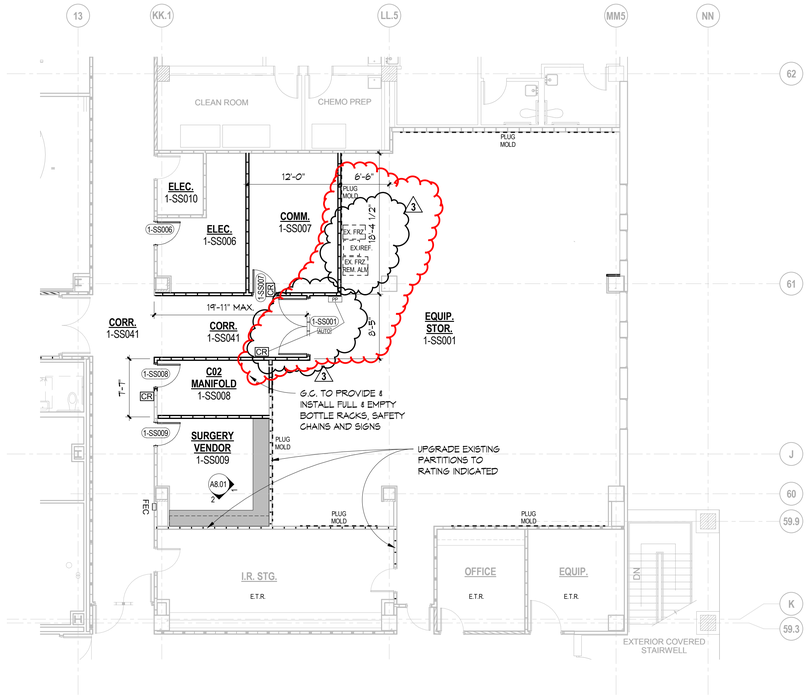
SEE A1.00N FOR DEMOLITION LEGEND, NOTES & KEY NOTES



RCP - PHASE I

SCALE: 1/8" = 1'-0"

SEE A1.00N FOR RCP NOTES, LEGEND, & TYPES



FLOOR PLAN - PHASE I

SCALE: 1/8" = 1'-0"

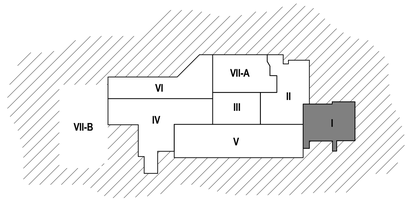
SEE A1.00N FOR GENERAL NOTES & WALL LEGEND

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REVISION TO PERMIT#
2015-916473-LT

City of Aurora Building Division
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Date: *Dec 11, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *2015-1028456-LT*



WORKING AREA - PHASED KEY PLAN

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5-13-15
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THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

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Revision 3	05/12/15

Issue Description	REV 2
Issue Date	2014-12-30
Project No	14077.00
Drawn By WZW	Checked By CP

Drawing Title

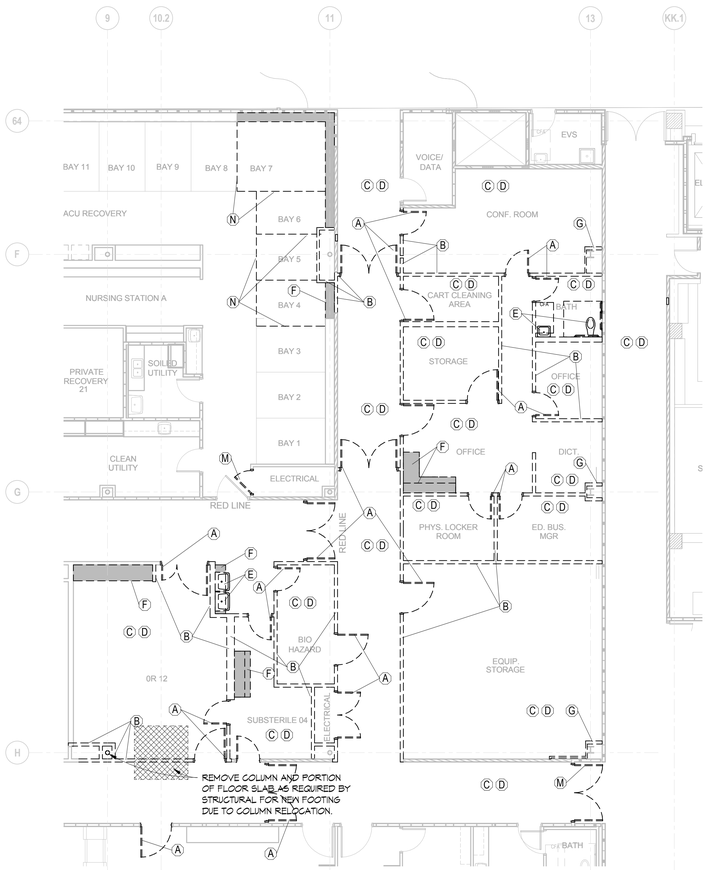
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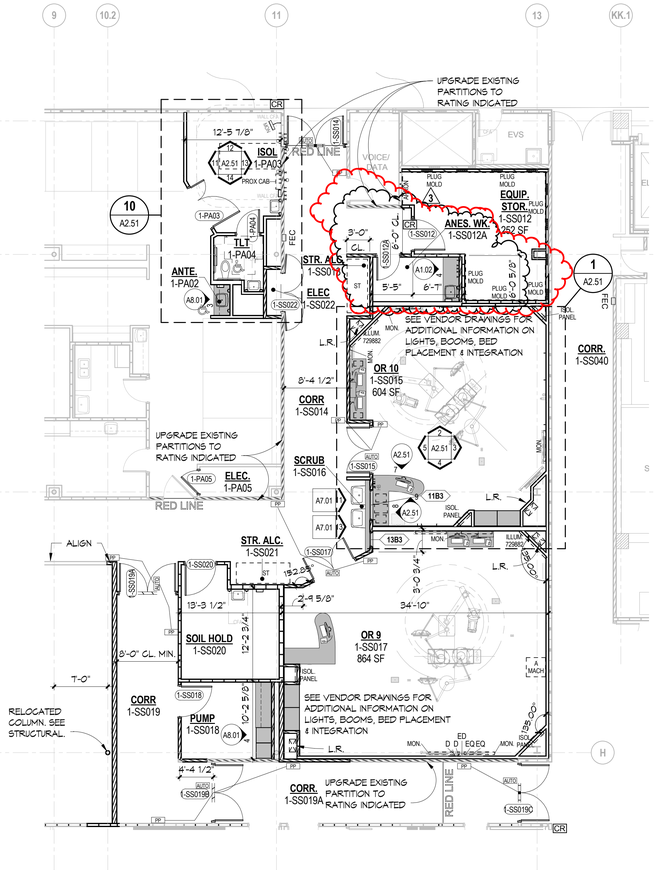
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DEMOLITION PLAN - PHASE II

SCALE: 1/8" = 1'-0"

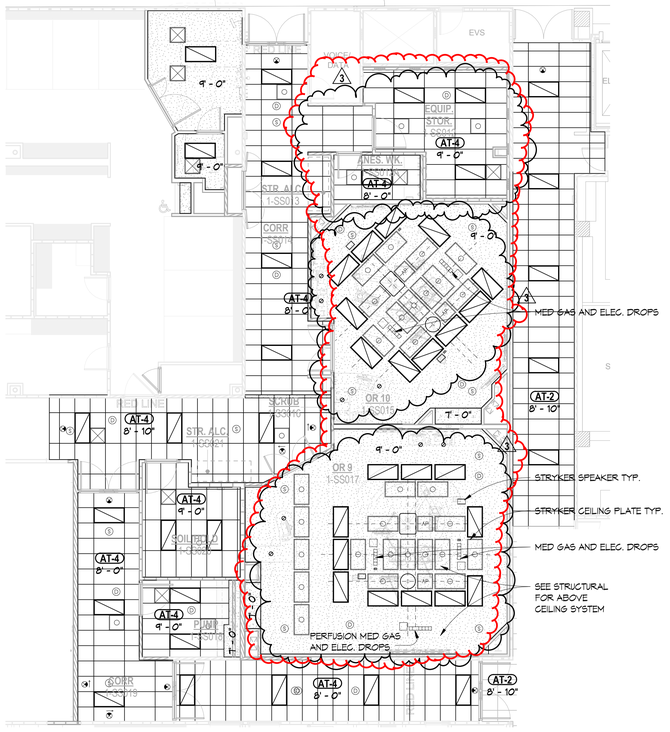
SEE A1.00N FOR DEMOLITION LEGEND, NOTES & KEY NOTES



FLOOR PLAN - PHASE II

SCALE: 1/8" = 1'-0"

SEE A1.00N FOR GENERAL NOTES & WALL LEGEND



RCP - PHASE II

SCALE: 1/8" = 1'-0"

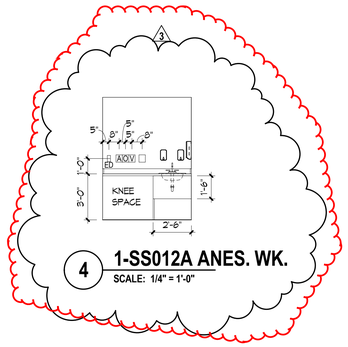
SEE A1.00N FOR RCP NOTES, LEGEND, & TYPES

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REVISION TO PERMIT# 2015-916473-LT

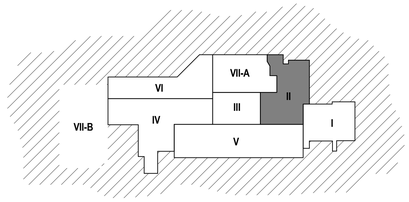
City of Aurora Building Division
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RSN: *1066039*
Permit #: *2015-1028456-LT*



4 1-SS012A ANES. WK.

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



WORKING AREA - PHASED KEY PLAN

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STATE OF COLORADO RICHARD L. MILLER 301983 5-13-15 LICENSED ARCHITECT

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15
Revision 2	03/04/15
Revision 3	05/12/15

Issue Description	REV 2
Issue Date	2014-12-30
Project No	14077.00
Drawn By: WZW	Checked By: CP

Drawing Title

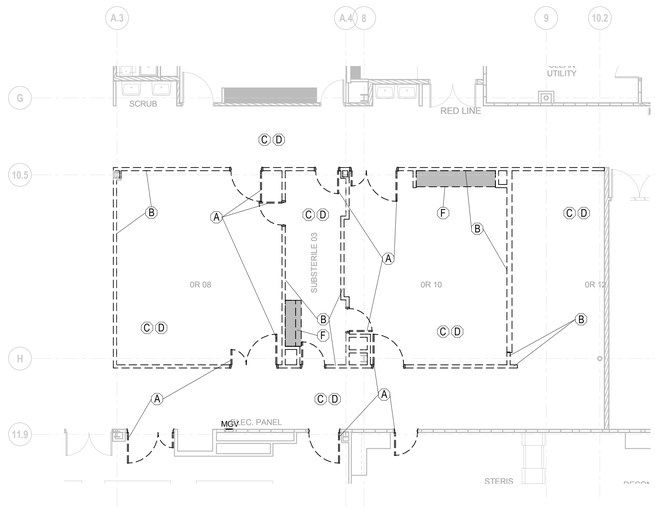
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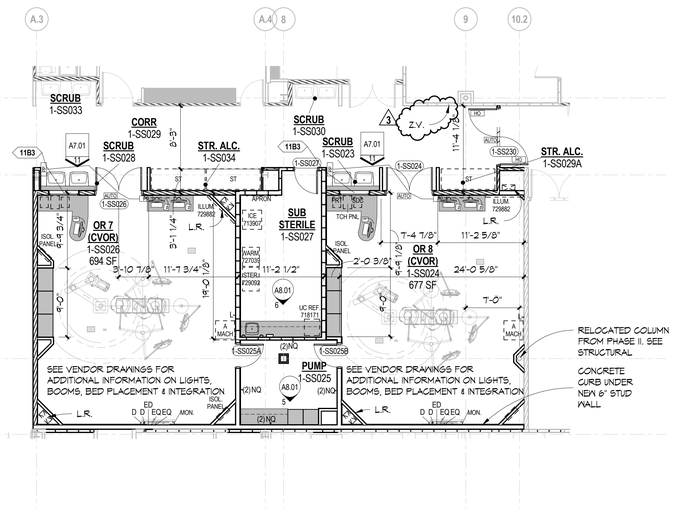
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DEMOLITION PLAN - PHASE III

SCALE: 1/8" = 1'-0"

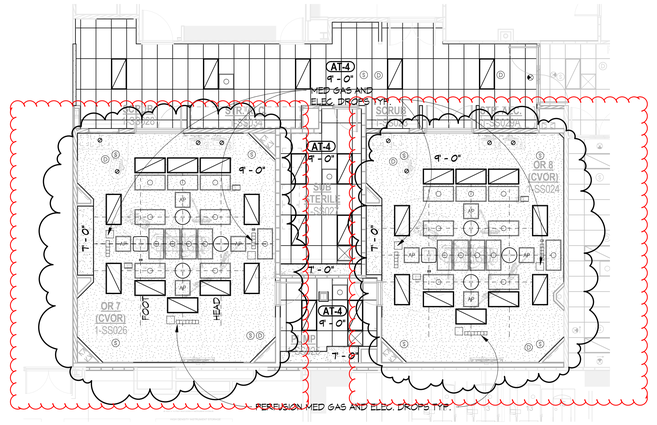
SEE A1.00N FOR DEMOLITION LEGEND, NOTES & KEY NOTES



FLOOR PLAN - PHASE III

SCALE: 1/8" = 1'-0"

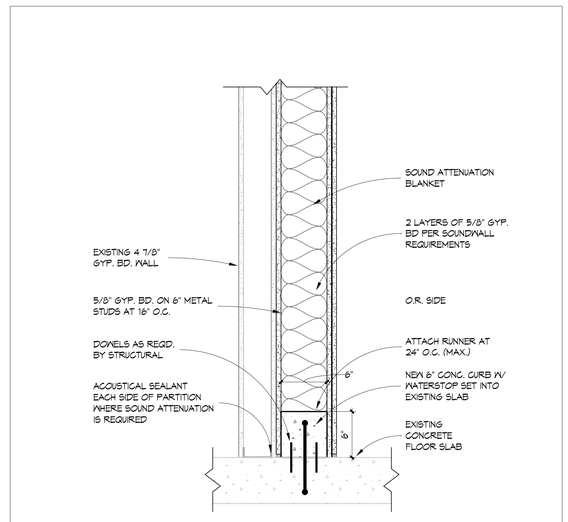
SEE A1.00N FOR GENERAL NOTES & WALL LEGEND



RCP - PHASE III

SCALE: 1/8" = 1'-0"

SEE A1.00N FOR RCP NOTES, LEGEND, & TYPES



4 CONCRETE CURB DETAIL (STERILE AREA)

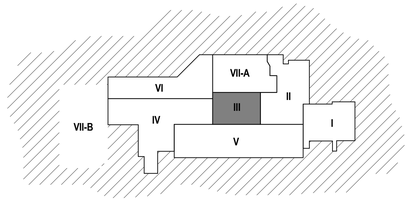
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Permit #: *2015-1028456-LT*



WORKING AREA - PHASED KEY PLAN

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5-13-15
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THE MEDICAL CENTER OF AURORA RENOVATIONS

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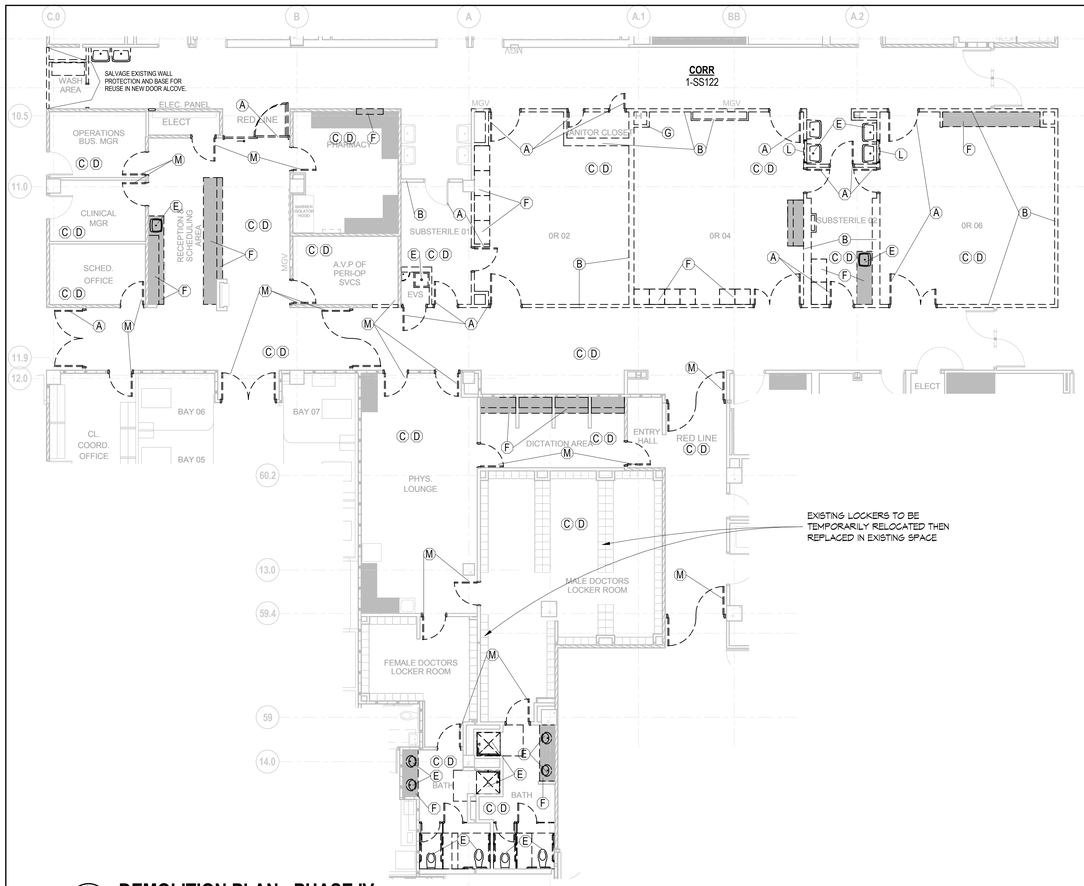
Drawing Title

PHASE III

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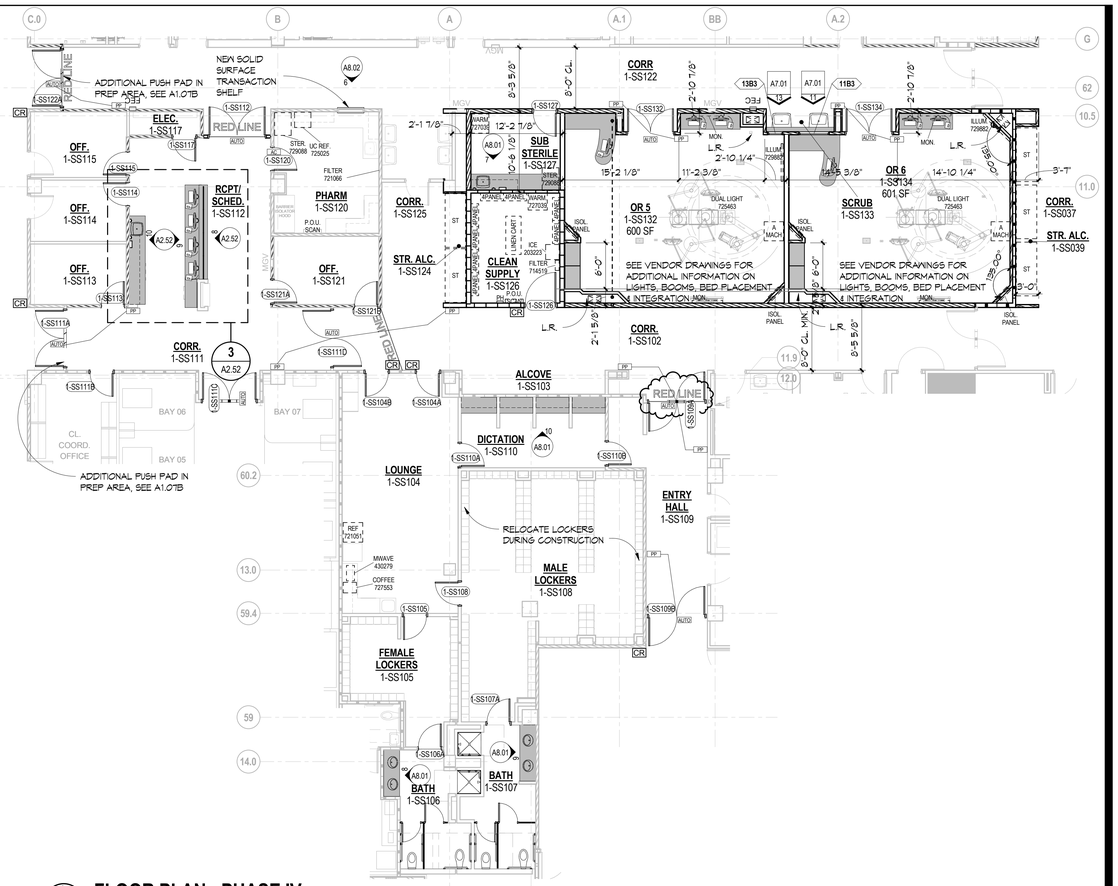
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DEMOLITION PLAN - PHASE IV

SCALE: 1/8" = 1'-0"

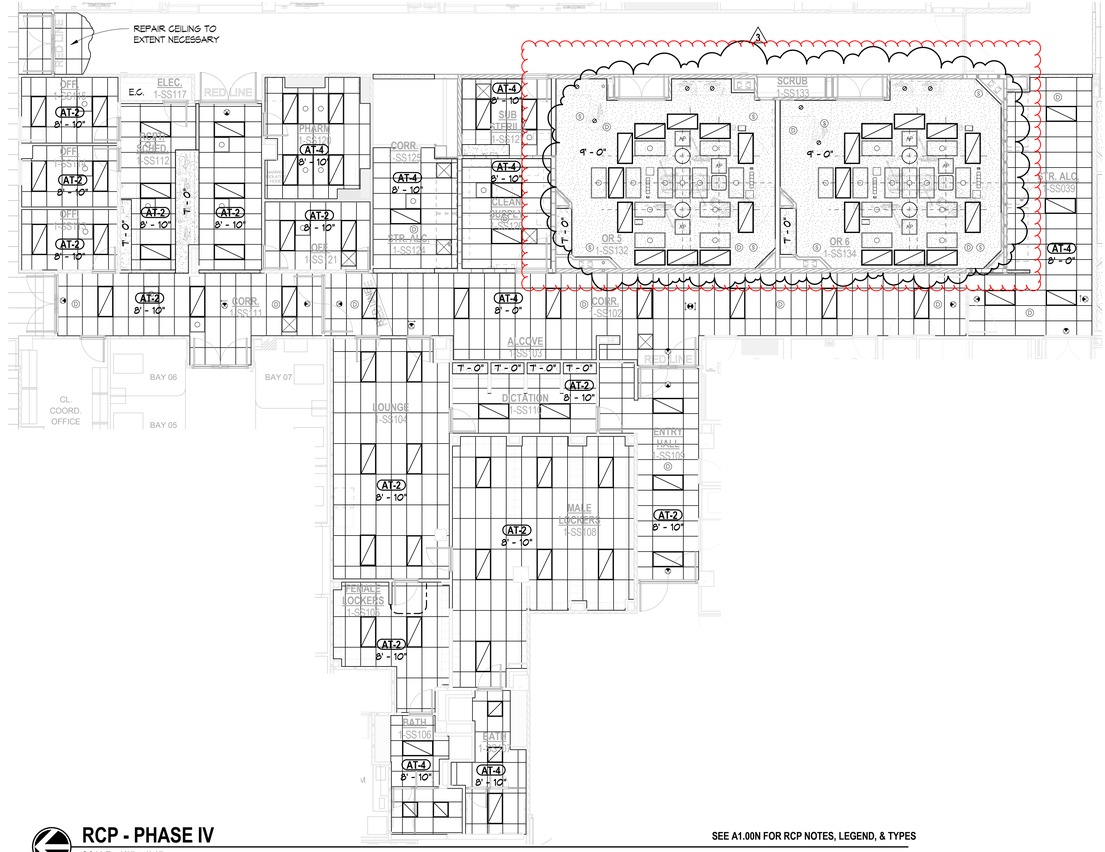
SEE A1.00N FOR DEMOLITION LEGEND, NOTES & KEY NOTES



FLOOR PLAN - PHASE IV

SCALE: 1/8" = 1'-0"

SEE A1.00N FOR GENERAL NOTES & WALL LEGEND



RCP - PHASE IV

SCALE: 1/8" = 1'-0"

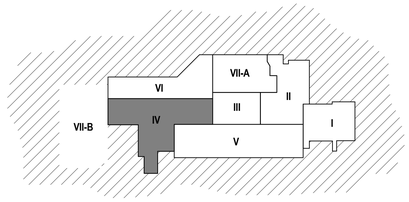
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WORKING AREA - PHASED KEY PLAN

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301983
5-13-15
LICENSED ARCHITECT

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15
Revision 2	03/04/15
Revision 3	05/12/15

Issue Description	REV 2
Issue Date	2014-12-30
Project No	14077.00
Drawn By WZW	Checked By CP

Drawing Title

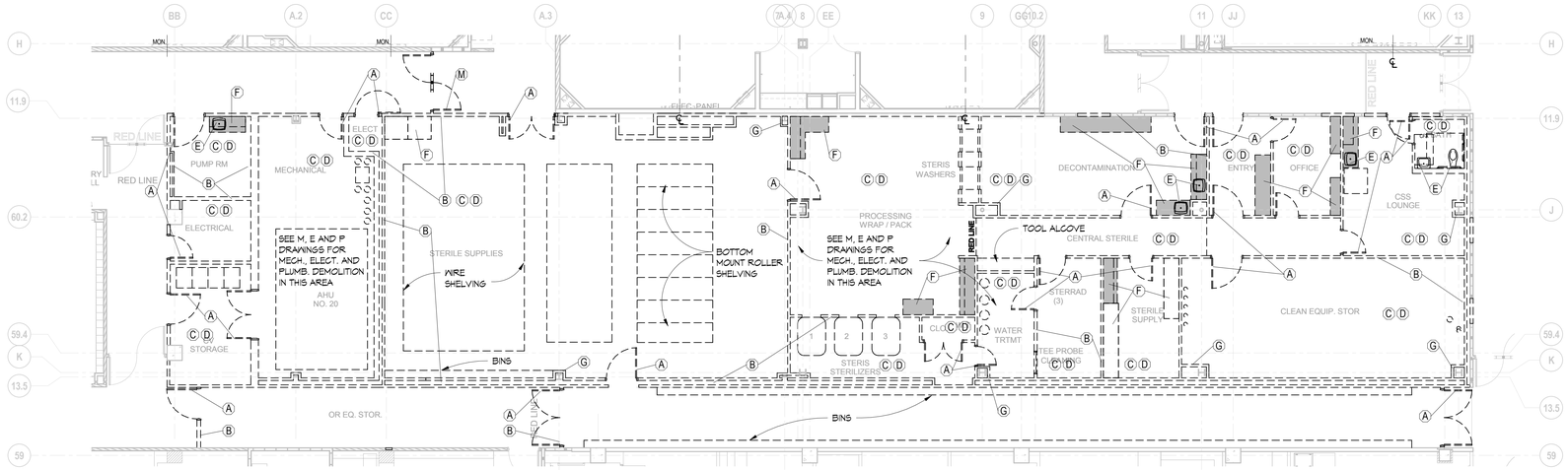
PHASE IV

Sheet Number

A1.04

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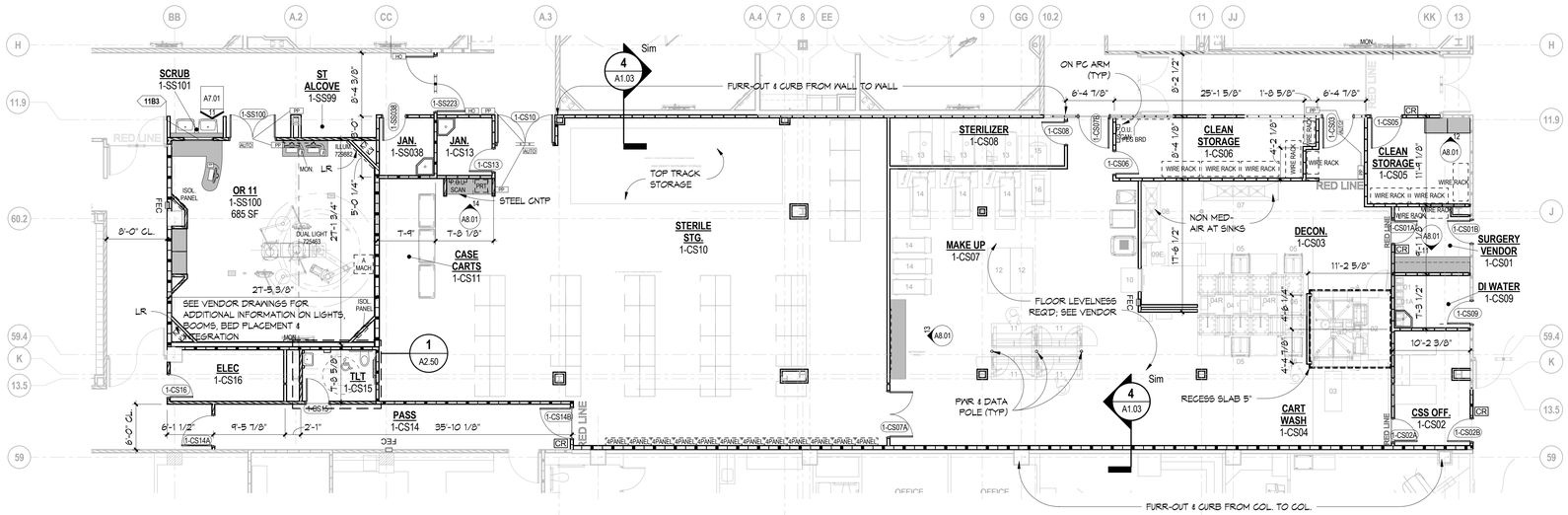
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DEMOLITION PLAN - PHASE V

SCALE: 1/8" = 1'-0"

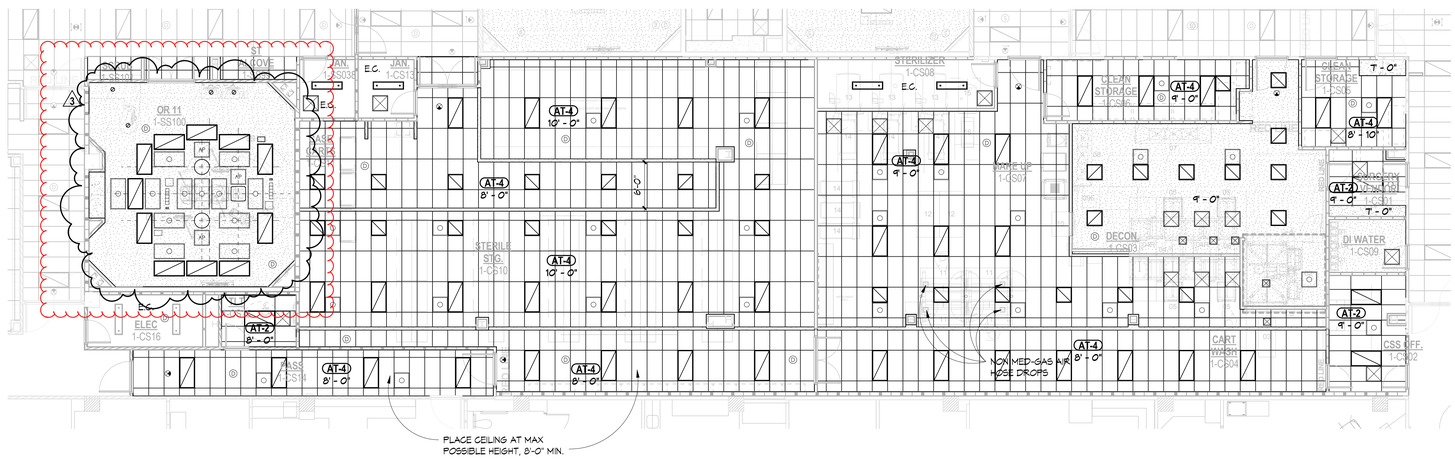
SEE A1.00N FOR DEMOLITION LEGEND, NOTES & KEY NOTES



FLOOR PLAN - PHASE V

SCALE: 1/8" = 1'-0"

SEE A1.00N FOR GENERAL NOTES & WALL LEGEND



RCP - PHASE V

SCALE: 1/8" = 1'-0"

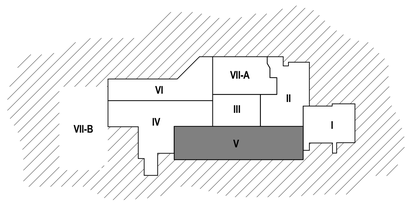
SEE A1.00N FOR RCP NOTES, LEGEND, & TYPES

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REVISION TO PERMIT# 2015-916473-LT

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y. Munoz*
Date: *Dec 11, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *2015-1028456-LT*



WORKING AREA - PHASED KEY PLAN

ESa
Earl Swensson Associates, Inc.
richard l. miller, architect
2100 West End Avenue, Suite 1200
Vanderbilt Plaza
Nashville Tennessee 37203
615-329-9445

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STATE OF COLORADO
RICHARD L. MILLER
301983
5-12-15
LICENSED ARCHITECT

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

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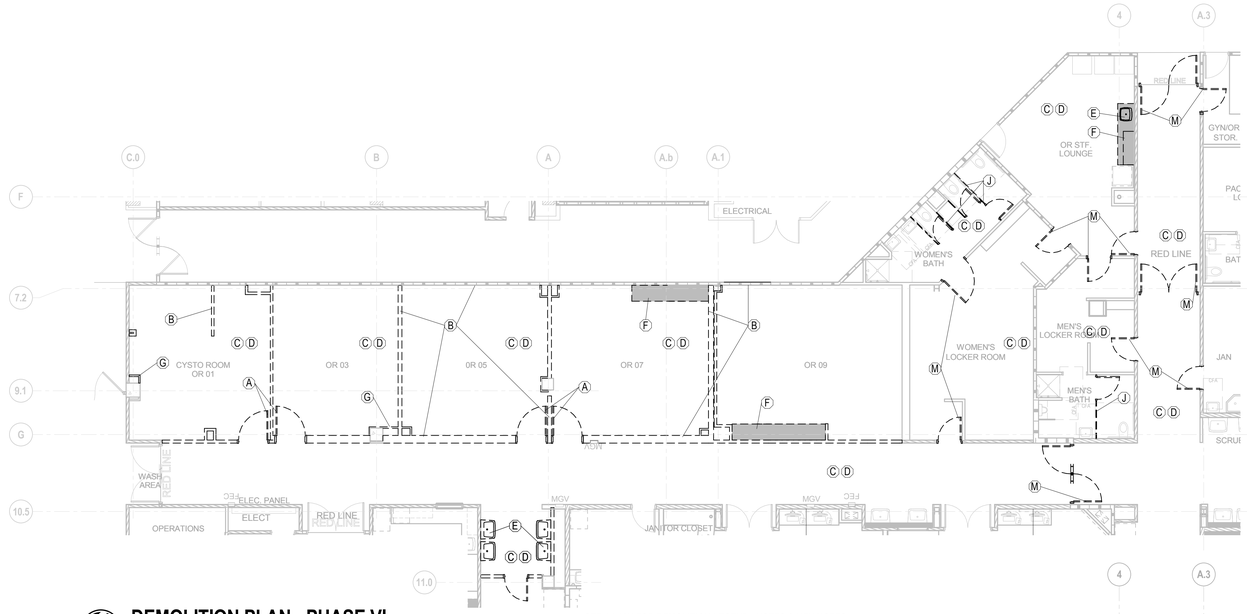
Drawing Title

PHASE V

Sheet Number

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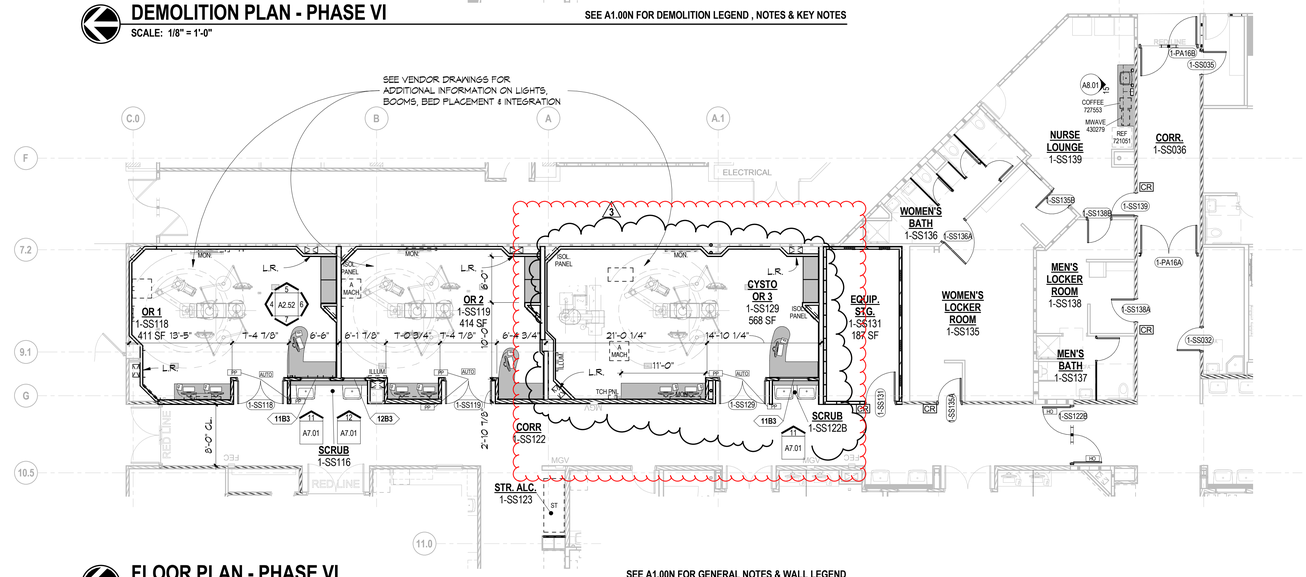
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DEMOLITION PLAN - PHASE VI

SCALE: 1/8" = 1'-0"

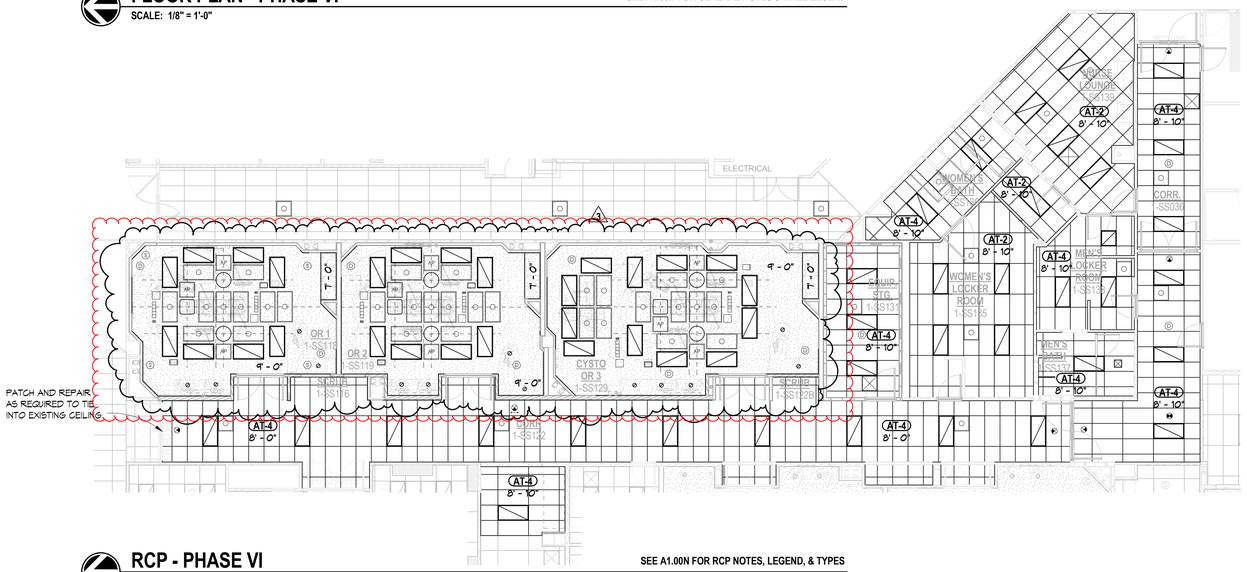
SEE A1.00N FOR DEMOLITION LEGEND , NOTES & KEY NOTES



FLOOR PLAN - PHASE VI

SCALE: 1/8" = 1'-0"

SEE A1.00N FOR GENERAL NOTES & WALL LEGEND



RCP - PHASE VI

SCALE: 1/8" = 1'-0"

SEE A1.00N FOR RCP NOTES, LEGEND, & TYPES

Earl Swensson Associates, Inc.

richard l. miller, architect
2100 West End Avenue, Suite 1200
Vanderbilt Plaza
Nashville Tennessee 37203
615-329-9445

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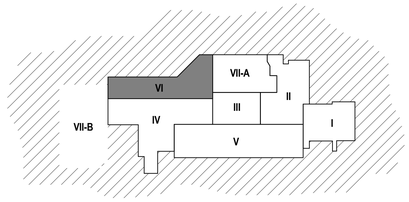
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Drawing Title

PHASE VI



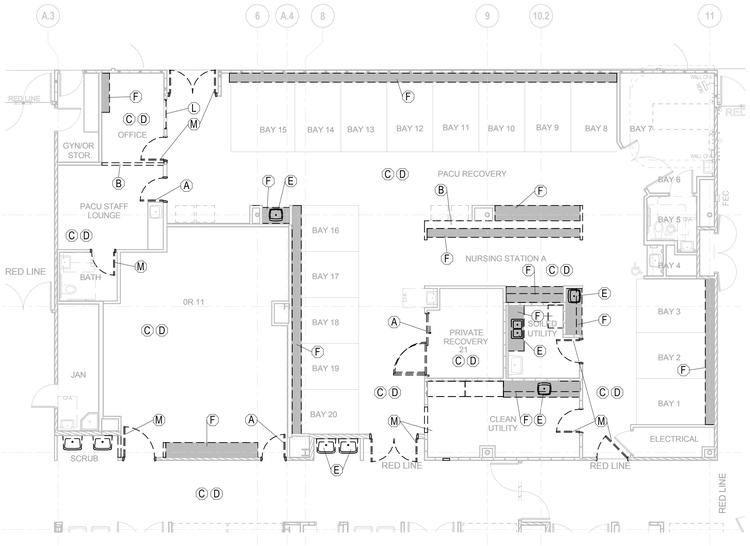
WORKING AREA - PHASED KEY PLAN

Sheet Number

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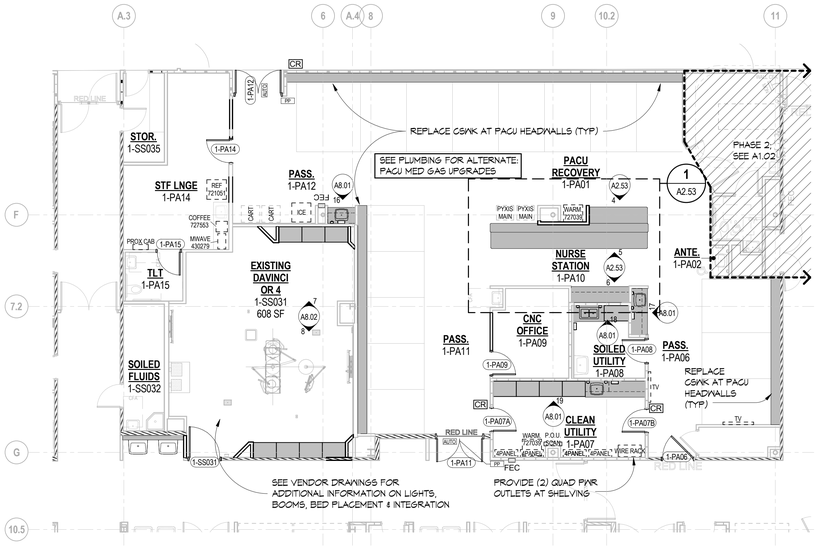
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DEMOLITION PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"

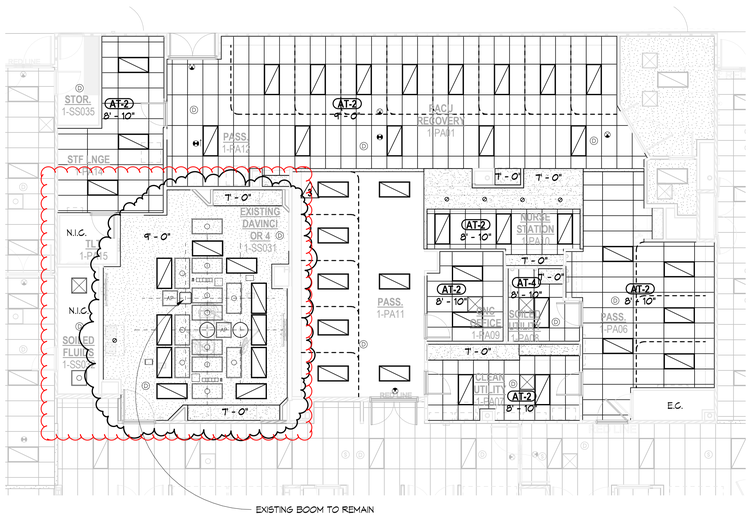
SEE A1.00N FOR DEMOLITION LEGEND, NOTES & KEY NOTES



FLOOR PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"

SEE A1.00N FOR GENERAL NOTES & WALL LEGEND



RCP - PHASE VII-A

SCALE: 1/8" = 1'-0"

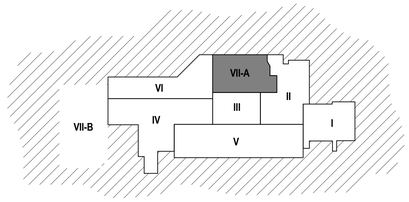
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richard l. miller, architect
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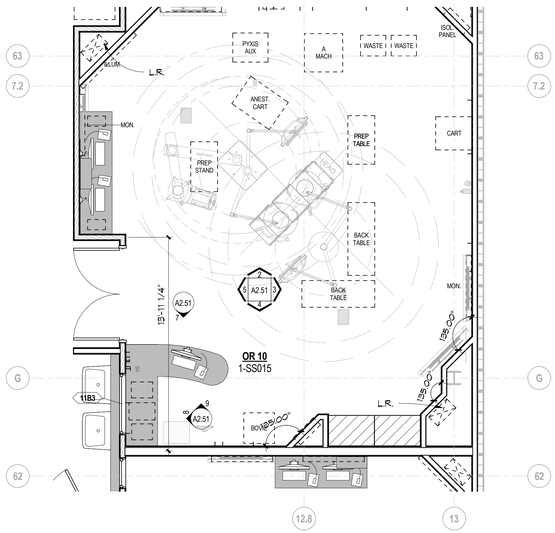
Drawing Title

PHASE VII-A

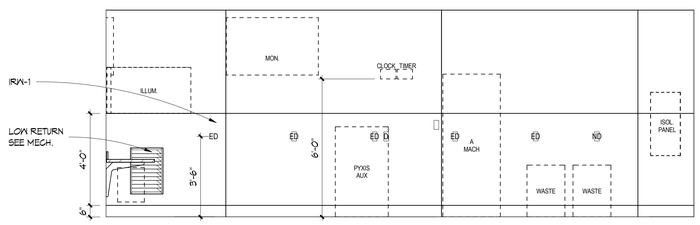
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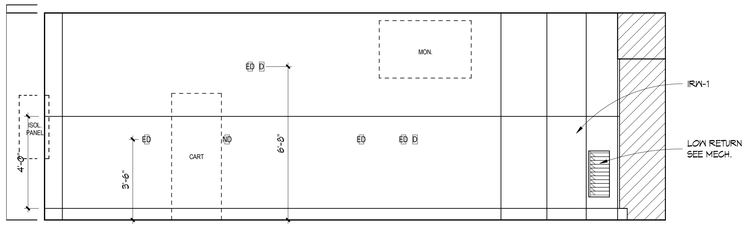
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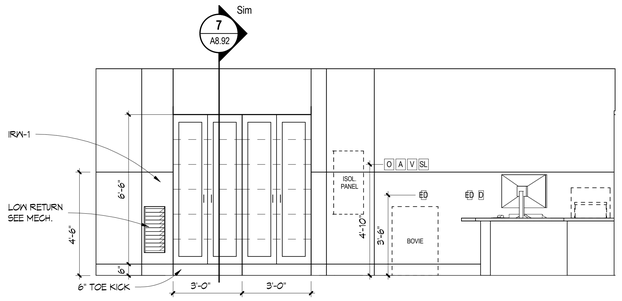
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2 OR 10 - 1-SS015
SCALE: 3/8" = 1'-0"

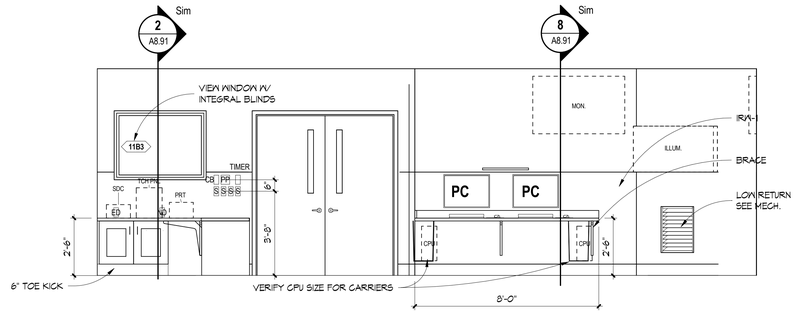


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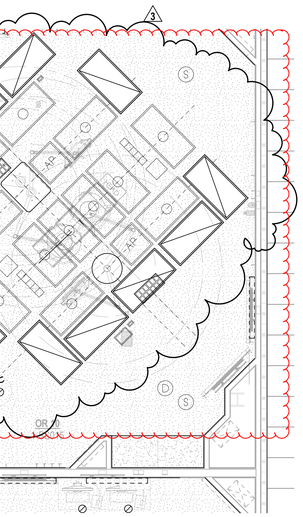
4 ORTHO OR 10 - 1-SS015 C
SCALE: 3/8" = 1'-0"

N/A
SS-1 / N/A
PL-1
N/A
SEE SPEC

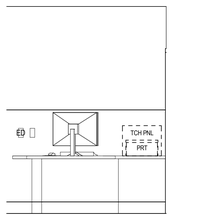


5 OR 10 - 1-SS015 D
SCALE: 3/8" = 1'-0"

N/A
SS-1 / N/A
PL-1
N/A
SEE SPEC

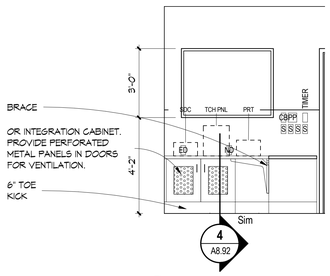


6 OR 10 - ENLARGED RCP
SCALE: 1/4" = 1'-0"

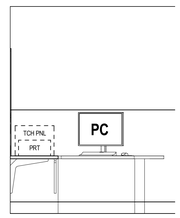


7 OR CIRC NURSE DESK A
SCALE: 3/8" = 1'-0"

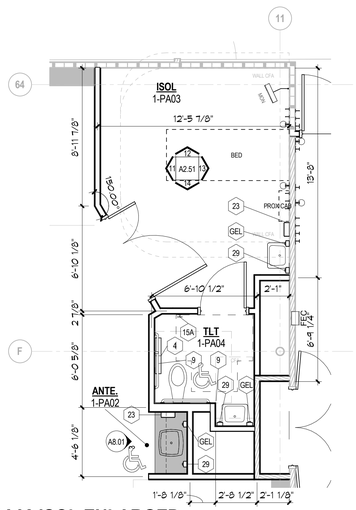
N/A
SS-1 / N/A
PL-1
N/A
SEE SPEC



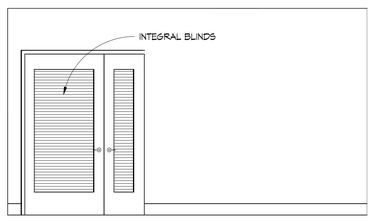
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SCALE: 3/8" = 1'-0"



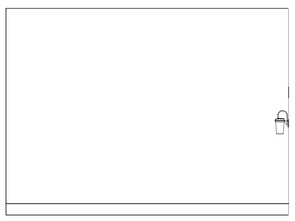
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SCALE: 3/8" = 1'-0"



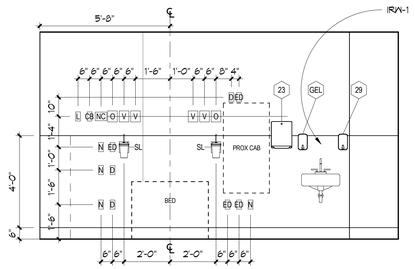
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SCALE: 1/4" = 1'-0"



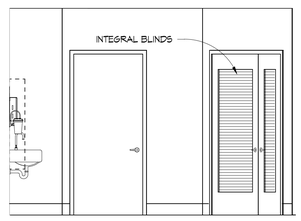
11 ISOL 1-PA03
SCALE: 3/8" = 1'-0"



12 .
SCALE: 3/8" = 1'-0"



13 .
SCALE: 3/8" = 1'-0"



14 .
SCALE: 3/8" = 1'-0"

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richard l. miller, architect
2100 West End Avenue, Suite 1200
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615-329-9445

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RICHARD L. MILLER
301983
5-12-15
LICENSED ARCHITECT

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1501 S POTOMAC ST, AURORA, CO 80012

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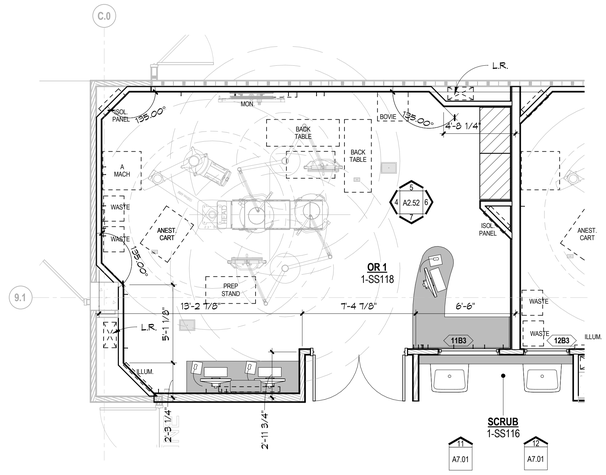
Drawing Title

ENLARGED PLANS / INTERIOR ELEVATIONS & DETAILS

Sheet Number

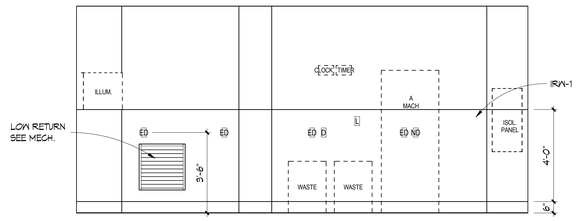
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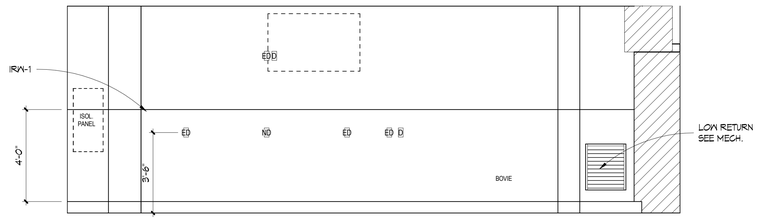
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SCALE: 1/4" = 1'-0"



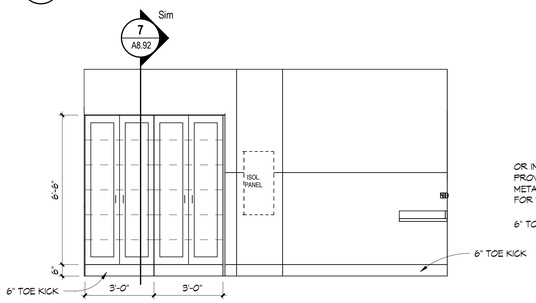
4 OR 1 ELEVATION

SCALE: 3/8" = 1'-0"



5

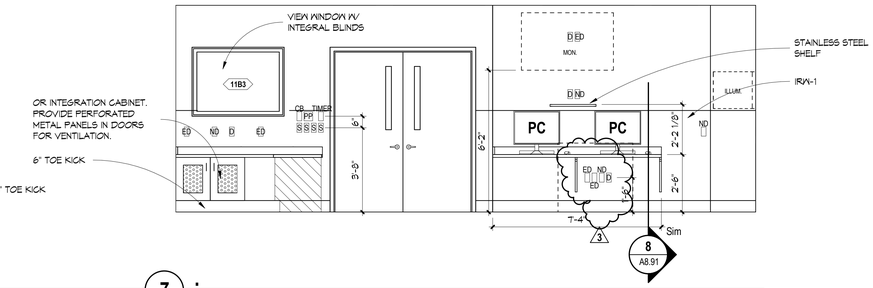
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6

SCALE: 3/8" = 1'-0"

N/A
SS-1 / N/A
PL-1
N/A
SEE SPEC



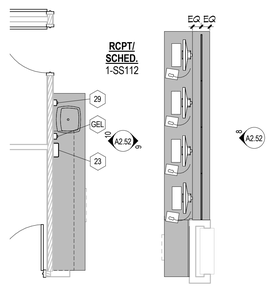
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SCALE: 3/8" = 1'-0"

N/A
SS-1 / N/A
PL-1
N/A
SEE SPEC

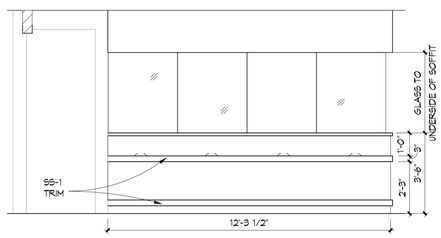
2 OR 1 - ENLARGED RCP

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



3 1-SS112 RCPT/SCHED. ENLARGED

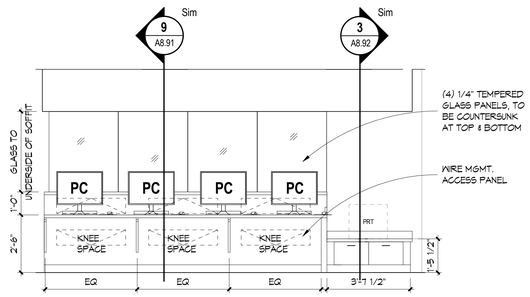
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SS-1
SS-1 / N/A
PL-1
N/A
SEE SPEC

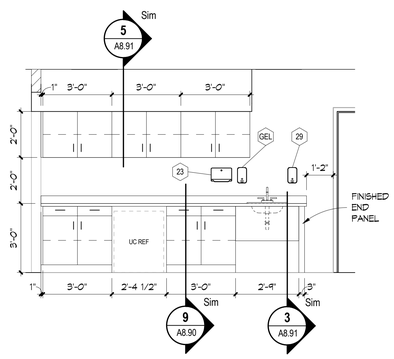
8 RCPT/SCHED. 1-SS112 A

SCALE: 3/8" = 1'-0"



9 RCPT/SCHED. 1-SS112 B

SCALE: 3/8" = 1'-0"



10 RCPT/SCHED. 1-SS112 C

SCALE: 3/8" = 1'-0"

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Drawn By WZW	Checked By CP

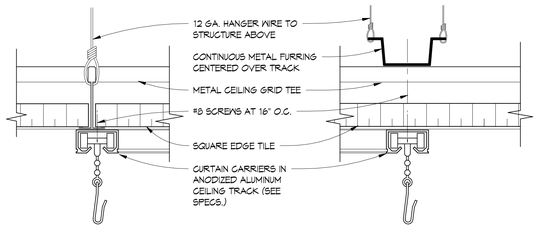
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ENLARGED PLANS / INTERIOR ELEVATIONS & DETAILS

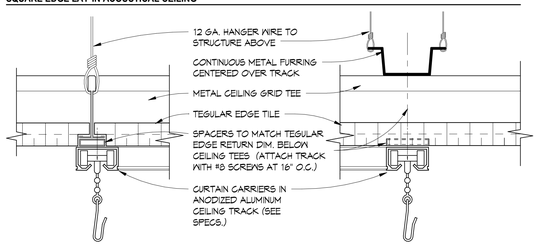
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SQUARE EDGE LAY-IN ACOUSTICAL CEILING

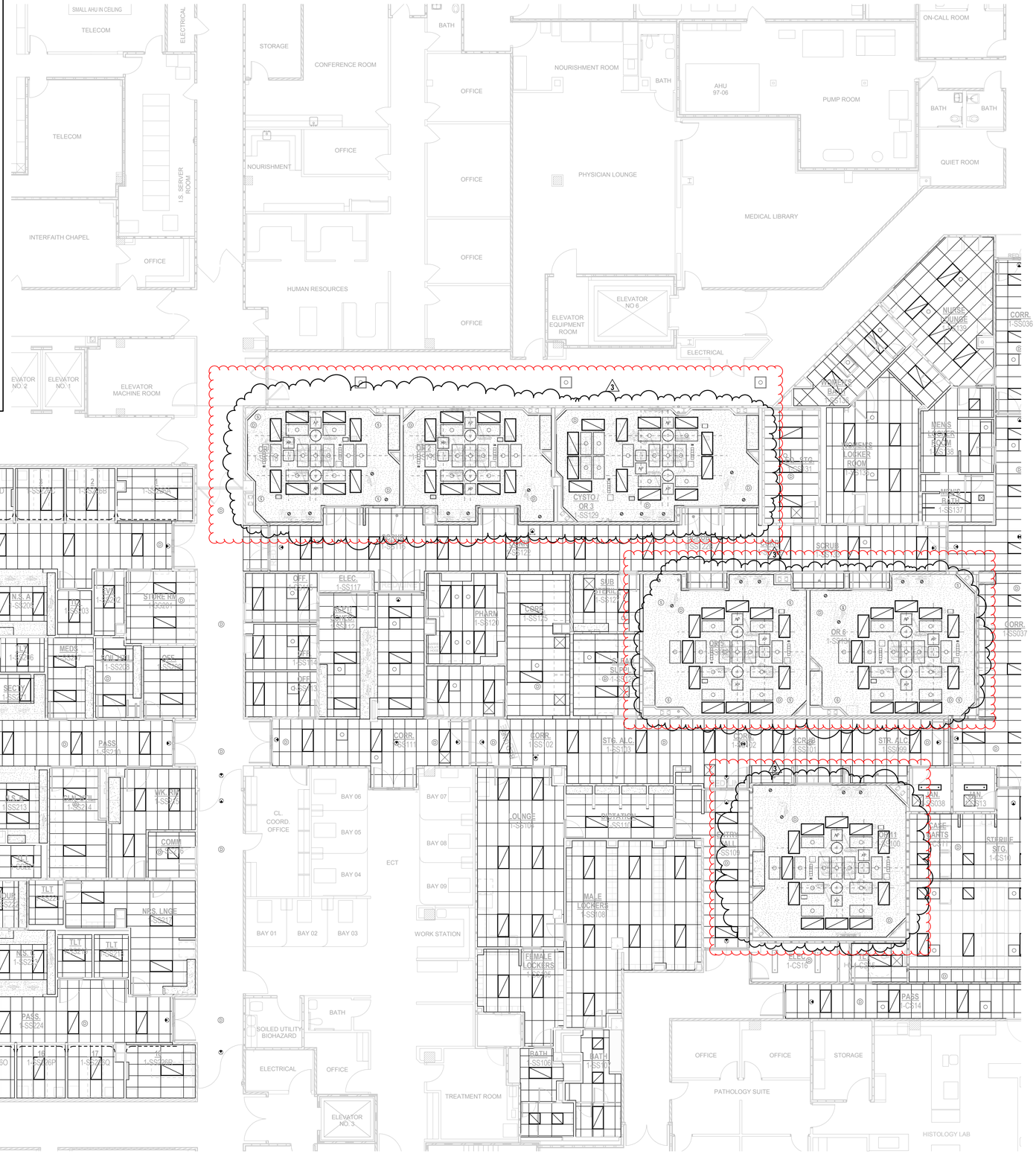


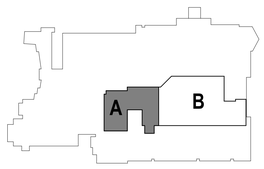
TEGULAR EDGE LAY-IN ACOUSTICAL CEILING

2 LAY-IN ACOUSTICAL CEILING TRACK DETAILS

SCALE: 6" = 1'-0"

CUBICLE CURTAIN





FIRST FLOOR KEY PLAN

FIRST FLOOR PART A REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

Only highlighted or clouded revisions are approved on this review. All previous comments apply.

REVISION TO PERMIT# 2015-916473-LT

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y. Munoz*
Date: *Dec 11, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *2015-1028456-LT*

ESa
Earl Swensson Associates, Inc.
richard l. miller, architect
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Seals

STATE OF COLORADO
RICHARD L. MILLER
301983
5-12-15
LICENSED ARCHITECT

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15
Revision 3	05/12/15

Issue Description	CD
Issue Date	2014-12-30
Project No	14077.00
Drawn By: WZW	Checked By: CP

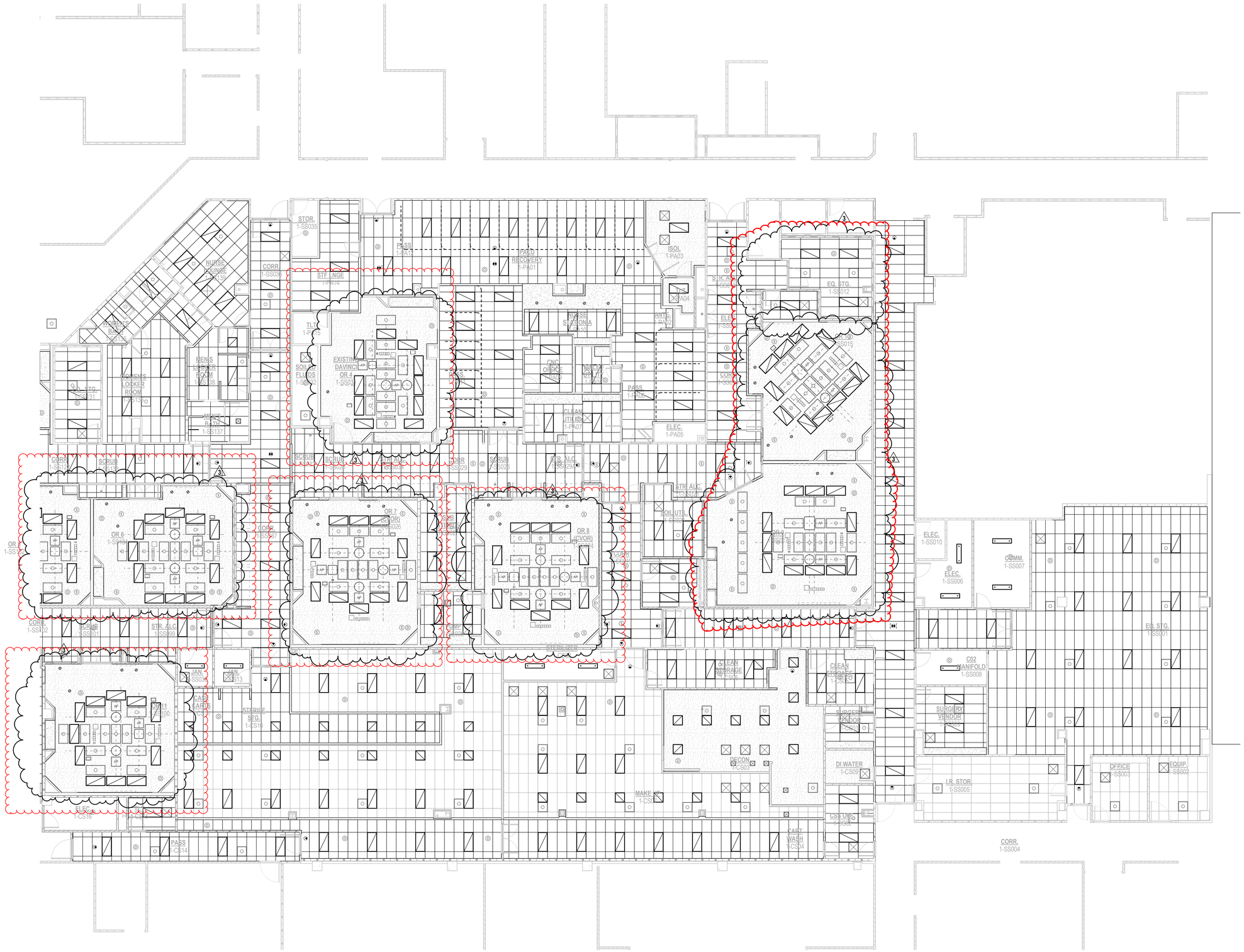
Drawing Title

FIRST FLOOR PART A REFLECTED CEILING PLAN

Sheet Number

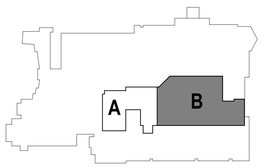
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FIRST FLOOR PART B REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"



FIRST FLOOR KEY PLAN

Only highlighted or clouded revisions are approved on this review. All previous comments apply.

REVISION TO PERMIT# 2015-916473-LT

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y. Munoz*
Date: *Dec 11, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *2015-1028456-LT*

ESa
Earl Swensson Associates, Inc.
richard l. miller, architect
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615-329-9445

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Seals

STATE OF COLORADO
RICHARD L. MILLER
301983
5-12-15
LICENSED ARCHITECT

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 3	05/12/15

Issue Description	CD
Issue Date	2014-12-30
Project No	14077.00
Drawn By: WZW	Checked By: CP

Drawing Title

FIRST FLOOR PART B REFLECTED CEILING PLAN

Sheet Number

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DOOR SCHEDULE

DOOR PANEL TYPES



GENERAL DOOR NOTES

A. SEE SPECIFICATION SECTION 087100 FOR HARDWARE SETS.
B. ALL DOORS AND CASED OPENINGS SHALL PROVIDE A MINIMUM CLEAR OPENING OF 32".
C. ALL SWING DOORS IN A PATH OF EGRESS SHALL HAVE A MAXIMUM WIDTH OF 48".
D. ALL FIRE-RATED DOORS MUST HAVE FIRE-RATED FRAMES, HARDWARE, CLOSURES AND OTHER RATED ACCESSORIES INCLUDING GLAZING.

FRAME TYPE (ALL FRAMES TO BE WRAPPED U.N.O.)

EF EXTERIOR FIXED
EA EXTERIOR ALUMINUM
ES EXTERIOR SPECIALTY (SEE REMARKS)
IF INTERIOR FIXED
IA INTERIOR ALUMINUM
IS INTERIOR SPECIALTY (SEE REMARKS)
IW INTERIOR WRAP
WD WOOD

CLOSURE DEVICES

C1. HOLD OPEN
C2. DELAYED ACTION
C3. CLOSER HOLDER
C4. SPECIALTY (SEE REMARKS)

DOOR PANEL MATERIALS

M1. FLUSH WOOD
M2. STILE & RAIL WOOD
M3. HOLLOW METAL
M4. ALUMINUM
M5. FOLDING
M6. COILING
M7. GLASS
M8. PLASTIC LAMINATE FACED

PROTECTIVE TRIMS

P1. MOP PLATE
P2. KICK PLATE
P3. STRETCHER PLATE
P4. ARMOR PLATE
P5. DOOR EDGE GUARD
P6. FRAME GUARD

DOOR GLAZING TYPES

G1. TEMPERED
G2. INSULATED
G3. FIRE-RATED
G4. INTEGRAL BLINDS
G5. SPECIALTY (SEE REMARKS)
G7. 1" GLAZED UNIT W/ INTERNAL BLIND

ACCESSORIES

A1. SOUND CONTROL ACCESSORIES
A2. SMOKE/DRAFT CONTROL ACCESSORIES
A3. ASTRAGAL
A4. OVERHEAD STOP
A5. AUTO FLUSHBOLT
A6. REMOVEABLE MULLION
A7. CARRY OPEN BAR
A8. SPECIALTY (SEE REMARKS)

HINGE TYPES

H1. SWING CLEAR
H2. SPRING
H3. PIVOT
H4. SPECIALTY (SEE REMARKS)

DOOR REMARKS

1. REUSE EXISTING DOOR
2. AUTO SLIDING
3. ICU SLIDING
4. ELECTRIFIED LATCH TO BE FAIL SECURE
5. DELAYED EGRESS HARDWARE
6. LEAD LINED DOOR, FRAME, GLASS AND HARDWARE
7. NEW DOOR AND HARDWARE IN EXISTING FRAME. F.V. SIZE & ROUGH-IN

EXTERIOR DOORS

MARK	FRAME TYPE	PANEL WIDTH 1	PANEL WIDTH 2 (PAIR ONLY)	PANEL HEIGHT	PANEL TYPE 1	PANEL TYPE 2 (PAIR ONLY)	MATERIAL	LABEL (MINUTES)	GLAZING	HARDWARE SET	HINGE TYPE	CLOSURE DEVICE	PROTECTIVE TRIM	ACCESSORIES	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	REMARKS	CURRENT REVISION

INTERIOR DOORS

DOOR SCHEDULE - PHASE I

MARK	FRAME TYPE	PANEL WIDTH 1	PANEL WIDTH 2 (PAIR ONLY)	PANEL HEIGHT	PANEL TYPE 1	PANEL TYPE 2 (PAIR ONLY)	MATERIAL	LABEL (MINUTES)	GLAZING	HARDWARE SET	HINGE TYPE	CLOSURE DEVICE	PROTECTIVE TRIM	ACCESSORIES	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	REMARKS	CURRENT REVISION
1-SS001	IW	3' - 8"	3' - 8"	7' - 0"	A	A	M8	45		5.0					3	7	-		3
1-SS006	IW	3' - 0"		7' - 0"	A		M8	45		3.0					3	7	-		1
1-SS007	IW	3' - 0"		7' - 0"	A		M8	45		1.0					3	7	-		1
1-SS008	IW	3' - 0"		7' - 0"	A		M8	45		1.0					3	7	-		1
1-SS009	IW	3' - 0"		7' - 0"	A		M8	45		2.0					3	7	-		1

DOOR SCHEDULE - PHASE II

MARK	FRAME TYPE	PANEL WIDTH 1	PANEL WIDTH 2 (PAIR ONLY)	PANEL HEIGHT	PANEL TYPE 1	PANEL TYPE 2 (PAIR ONLY)	MATERIAL	LABEL (MINUTES)	GLAZING	HARDWARE SET	HINGE TYPE	CLOSURE DEVICE	PROTECTIVE TRIM	ACCESSORIES	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	REMARKS	CURRENT REVISION
1-PA03	IF	4' - 0"	2' - 0"	7' - 0"	D	D	M4		G7	7.0					-	-	-		1
1-PA04	IW	3' - 0"		7' - 0"	A		M8			8.0					4	8	-		
1-PA05	IW	3' - 0"		7' - 0"	A		M8			10.0					4	8	-	7	1
1-SS012	IW	4' - 0"		7' - 0"	A		M8	45		6.0					3	7	-		
1-SS012A	IW	3' - 0"		7' - 0"	A		M8			19.0					4	8	-		3
1-SS014	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8	45	G3	5.0					3	7	-		
1-SS015	IW	3' - 0"	3' - 0"	7' - 0"	B	B	M8		G1	14.0					3	7	-		
1-SS017	IW	3' - 0"	3' - 0"	7' - 0"	B	B	M8		G1	14.0					3	7	-		
1-SS018	IW	4' - 0"		7' - 0"	B		M8		G1	12.0					3	7	-		
1-SS019A	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8		G1	13.0					3	7	-		
1-SS019B	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8		G1	13.0					4	8	-		
1-SS019C	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8	45	G3	5.0					3	7	-	7	
1-SS020	IW	4' - 0"		7' - 0"	A		M8	45		11.0					3	7	-		
1-SS022	IW	2' - 6"	2' - 6"	7' - 0"	A	A	M8			9.0					3	7	-		

DOOR SCHEDULE - PHASE III

MARK	FRAME TYPE	PANEL WIDTH 1	PANEL WIDTH 2 (PAIR ONLY)	PANEL HEIGHT	PANEL TYPE 1	PANEL TYPE 2 (PAIR ONLY)	MATERIAL	LABEL (MINUTES)	GLAZING	HARDWARE SET	HINGE TYPE	CLOSURE DEVICE	PROTECTIVE TRIM	ACCESSORIES	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	REMARKS	CURRENT REVISION
1-SS024	IW	3' - 0"	3' - 0"	7' - 0"	B	B	M8		G1	15.0					4	8	-		
1-SS025A	IW	3' - 0"		7' - 0"	B		M8		G1	16.0					4	8	-		
1-SS025B	IW	3' - 0"		7' - 0"	B		M8		G1	16.0					4	8	-		
1-SS026	IW	3' - 0"	3' - 0"	7' - 0"	B	B	M8		G1	14.0					4	8	-		
1-SS027	IW	3' - 0"		7' - 0"	B		M8	45	G3	16.0					3	7	-		
1-SS230	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8		G1	47.0					2	6	-		

DOOR SCHEDULE - PHASE IV

MARK	FRAME TYPE	PANEL WIDTH 1	PANEL WIDTH 2 (PAIR ONLY)	PANEL HEIGHT	PANEL TYPE 1	PANEL TYPE 2 (PAIR ONLY)	MATERIAL	LABEL (MINUTES)	GLAZING	HARDWARE SET	HINGE TYPE	CLOSURE DEVICE	PROTECTIVE TRIM	ACCESSORIES	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	REMARKS	CURRENT REVISION
1-SS104A	IW	3' - 0"		7' - 0"	A		M8	20		1.0					3	7	-	7	1
1-SS104B	IW	3' - 0"		7' - 0"	A		M8	20		1.0					3	7	-	7	1
1-SS105	IW	3' - 0"		7' - 0"	A		M8			26.0					4	8	-	7	1
1-SS106A	IW	3' - 0"		7' - 0"	A		M8			27.0					4	8	-	7	1
1-SS107A	IW	3' - 0"		7' - 0"	A		M8			27.0					4	8	-	7	1
1-SS108	IW	3' - 0"		7' - 0"	A		M8			27.0					4	8	-	7	1
1-SS109A	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8	20	G3	24.0					2	6	-	7	1
1-SS109B	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8		G1	24.0					2	6	-	7	1
1-SS110A	IW	3' - 0"		7' - 0"	A		M8			28.0					4	8	-	7	1
1-SS110B	IW	3' - 0"		7' - 0"	A		M8			28.0					3	7	-	7	1
1-SS111A	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8		G1	23.0					2	6	-	7	1
1-SS111B	IW	3' - 0"		7' - 0"	A		M8	20		19.0					3	7	-	7	2
1-SS111C	IW	3' - 6"	3' - 6"	7' - 0"	B	B	M8	20	G3	32.0					3	7	-	7	1
1-SS111D	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8		G1	24.0					2	6	-	7	1
1-SS112	IW	3' - 8"	3' - 8"	7' - 0"	C	C	M8		G1	25.0					4	8	-		2
1-SS113	IW	3' - 0"		7' - 0"	A		M8			19.0					4	8	-	7	1
1-SS114	IW	3' - 0"		7' - 0"	A		M8			19.0					4	8	-	7	1
1-SS115	IW	3' - 0"		7' - 0"	A		M8			19.0					4	8	-	7	1
1-SS117	IW	3' - 0"		7' - 0"	A		M8			20.0					4	8	-	7	
1-SS120	IW	3' - 0"		7' - 0"	A		M8	45		1.0					3	7	-	7	1
1-SS121A	IW	3' - 0"		7' - 0"	A		M8			19.0					4	8	-	7	1
1-SS121B	IW	3' - 0"		7' - 0"	A		M8			19.0					4	8	-	7	1
1-SS122A	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8		G1	21.0					3	7	-		
1-SS126	IW	4' - 0"		7' - 0"	A		M8	45		18.0					3	7	-		
1-SS127	IW	3' - 0"		7' - 0"	B		M8		G1	16.0					3	7	-		
1-SS132	IW	3' - 0"	3' - 0"	7' - 0"	B	B	M8		G1	17.0					3	7	-		
1-SS134	IW	3' - 0"	3' - 0"	7' - 0"	B	B	M8		G1	17.0					3	7	-		

DOOR SCHEDULE - PHASE V

MARK	FRAME TYPE	PANEL WIDTH 1	PANEL WIDTH 2 (PAIR ONLY)	PANEL HEIGHT	PANEL TYPE 1	PANEL TYPE 2 (PAIR ONLY)	MATERIAL	LABEL (MINUTES)	GLAZING	HARDWARE SET	HINGE TYPE	CLOSURE DEVICE	PROTECTIVE TRIM	ACCESSORIES	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	REMARKS	CURRENT REVISION
1-CS01A	IW	3' - 0"		7' - 0"	A			45		1.0					3	7	-		1
1-CS01B	IW	3' - 0"		7' - 0"	A			45		3.0					3	7	-		1
1-CS02A	IW	3' - 0"		7' - 0"	A		M8	45		19.0					3	7	-		1
1-CS02B	IW	3' - 0"		7' - 0"	A		M8	20		1.0					3	7	-		1
1-CS03	IW	4' - 0"		7' - 0"	B		M8	45	G3	30.0					3	7	-		
1-CS05	IW	4' - 0"		7' - 0"	A		M8	45		18.0					3	7	-		
1-CS06	IW	3' - 0"		7' - 0"	A			45		20.0					3	7	-		
1-CS07A	IW	3' - 0"	3' - 0"	7' - 0"	B	B			G1	36.0					4	8	-		
1-CS07B	IW	4' - 0"		7' - 0"	B			45	G3	31.0					3	7	-		
1-CS08	IW	3' - 0"		7' - 0"	A					3.0					4	8	-		1
1-CS09	IW	3' - 0"		7' - 0"	A			45		3.0					3	7	-		1
1-CS10	IW	3' - 8"	3' - 8"	7' - 0"	B	B		45	G3	32.0					3	7	-		
1-CS13	IW	3' - 0"		7' - 0"	A			45		3.0					3	7	-		
1-CS14A	IW	4' - 0"		7' - 0"	B				G1	35.0					4	8	-		
1-CS14B	IW	4' - 0"		7' - 0"	B			45	G3	18.0					3	7	-		1
1-CS15	IW	3' - 0"		7' - 0"	A					34.0					4	8	-		
1-CS16	IW	3' - 0"		7' - 0"	A					3.0					4	8	-		
1-SS038	IW	3' - 0"		7' - 0"	A			45		3.0					3	7	-		
1-SS100	IW	3' - 0"	3' - 0"	7' - 0"	B	B			G1	14.0					4	8	-		
1-SS223	IW	3' - 8"	3' - 8"	7' - 0"	B	B		20	G3	47.0					2	6	-	7	1

DOOR SCHEDULE - PHASE VI

MARK	FRAME TYPE	PANEL WIDTH 1	PANEL WIDTH 2 (PAIR ONLY)	PANEL HEIGHT	PANEL TYPE 1	PANEL TYPE 2 (PAIR ONLY)	MATERIAL	LABEL (MINUTES)	GLAZING	HARDWARE SET	HINGE TYPE	CLOSURE DEVICE	PROTECTIVE TRIM	ACCESSORIES	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	REMARKS	CURRENT REVISION
1-PA16A	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8		G1	41.0					3	7	-	7	1
1-PA16B	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8	20	G3	39.0					2	6	-	7	1
1-SS032	IW	3' - 0"		7' - 0"	A		M8	45		3.0					4	8	-	7	1
1-SS035	IW	3' - 0"		7' - 0"	A		M8	45		3.0					4	8	-	7	1
1-SS118	IW	3' - 0"	3' - 0"	7' - 0"	B	B	M8		G1	15.0					3	7	-		
1-SS119	IW	3' - 0"	3' - 0"	7' - 0"	B	B	M8		G1	15.0					3	7	-		
1-SS122B	IW	3' - 8"	3' - 8"	7' - 0"	B	A	M8	20	G3	47.0					2	6	-	7	1
1-SS129	IW	3' - 0"	3' - 0"	7' - 0"	B	B	M8		G1	15.0					3	7	-		
1-SS131	IW	3' - 10"		7' - 0"	A		M8	45		6.0					4	8	-		
1-SS135A	IW	3' - 0"		7' - 0"	A		M8			1.0					3	7	-	7	1
1-SS135B	IW	3' - 0"		7' - 0"	A		M8	20		27.0					3	7	-	7	2
1-SS136A	IW	4' - 0"		7' - 0"	A		M8			37.0					3	7	-	7	1
1-SS138A	IW	3' - 0"		7' - 0"	A		M8			1.0					3	7	-	7	1
1-SS138B	IW	3' - 0"		7' - 0"	A		M8			27.0					3	7	-	7	1
1-SS139	IW	3' - 0"		7' - 0"	A		M8			1.0					3	7	-	7	1

DOOR SCHEDULE - PHASE VII

MARK	FRAME TYPE	PANEL WIDTH 1	PANEL WIDTH 2 (PAIR ONLY)	PANEL HEIGHT	PANEL TYPE 1	PANEL TYPE 2 (PAIR ONLY)	MATERIAL	LABEL (MINUTES)	GLAZING	HARDWARE SET	HINGE TYPE	CLOSURE DEVICE	PROTECTIVE TRIM	ACCESSORIES	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	REMARKS	CURRENT REVISION
1-PA06	IW	4' - 0"		7' - 0"	B		M8		G1	38.0					4	8	-	7	1
1-PA07A	IW	3' - 0"		7' - 0"	A		M8	45		1.0					3	7	-	7	1
1-PA07B	IW	3' - 0"		7' - 0"	A		M8	45		1.0					3	7	-	7	1
1-PA08	IW	3' - 0"		7' - 0"	A		M8	45		3.0					3	7	-	7	1
1-PA09	IW	3' - 0"		7' - 0"	A		M8			19.0					4	8	-		
1-PA11	IW	3' - 0"	3' - 0"	7' - 0"	B	B	M8		G1	13.0					4	8	-	7	1
1-PA12	IW	3' - 0"	3' - 0"	7' - 0"	A	A	M8	20		5.0					3	7	-	7	1
1-PA14	IW	3' - 0"		7' - 0"	A		M8			40.0					4	8	-		
1-PA15	IW	3' - 0"		7' - 0"	A		M8			34.0					4	8	-	7	1
1-SS031	IW	4' - 0"		7' - 0"	B		M8		G1	30.0					4	8	-	7	1
1-SS201	IW	4' - 0"		7' - 0"	A		M8	45		12.0					3	7	-	7	1
1-SS202	IW	3' - 0"		7' - 0"	A		M8			45.0					3	7	-	7	1
1-SS203	IW	3' - 0"		7' - 0"	A		M8			44.0					4	8	-	7	1
1-SS204	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8	20	G3	22.0					3	7	-	7	1
1-SS206	IW	3' - 0"		7' - 0"	A		M8			44.0					4	8	-	7	1
1-SS207	IW	3' - 0"		7' - 0"	C		M8	45	G1	1.0					4	8	-	7	1
1-SS208	IW	4' - 0"		7' - 0"	A		M8	45		11.0					3	7	-	7	1
1-SS209	IW	3' - 0"		7' - 0"	A		M8			19.0					4	8	-	7	1
1-SS210	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8	20	G3	22.0					3	7	-	7	1
1-SS212	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8	20	G3	47.0					2	6	-	7	1
1-SS214	IW	4' - 0"		7' - 0"	A		M8	45		6.0					3	7	-	7	1
1-SS215A	IW	4' - 0"		7' - 0"	A		M8			6.0					4	8	-	7	1
1-SS215B	IW	3' - 0"		7' - 0"	A		M8	45		19.0					3	7	-	7	1
1-SS217A	IW	3' - 0"		7' - 0"	A		M8			1.0					4	8	-	7	1
1-SS217B	IW	3' - 0"		7' - 0"	A		M8			46.0					4	8	-	7	1
1-SS218	IW	4' - 0"		7' - 0"	A		M8			43.0					4	8	-	7	1
1-SS219	IW	4' - 0"		7' - 0"	A		M8			43.0					4	8	-	7	1
1-SS220	IW	3' - 0"		7' - 0"	A		M8			44.0					4	8	-	7	1
1-SS221	IW	3' - 0"		7' - 0"	A		M8			44.0					4	8	-	7	1
1-SS222	IW	3' - 0"		7' - 0"	-		-			-					1	5	-	CASED OPENING	1
1-SS224	IW	3' - 8"	3' - 8"	7' - 0"	B	B	M8		G1	22.0					3	7	-	7	1

3 ADDED 1-SS012A
ADJUSTED HARDWARE FOR 1-SS001

Provide lever or other approved hardware on all new or relocated doors. **2003 ANSI A117.1**

Provide a tactile sign saying "**EXIT**" at each egress stairway, exit passageway or exit discharge **2009 IBC 1011.3 and 2003 ANSI A117.1**

OMMITTED DOORS

1-SS005

Only highlighted or clouded revisions are approved on this review. All previous comments apply.

REVISION TO PERMIT#
2015-916473-LT

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y. Munoz*
Date: *Dec 11, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *2015-1028456-LT*

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STATE OF COLORADO
RICHARD L. MILLER
301983
5-12-15
LICENSED ARCHITECT

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15
Revision 2	03/04/15
Revision 3	05/12/15

Issue Description	REV 2
Issue Date	2014-12-30
Project No	14077.00
Drawn By	WZW
Checked By	Checker

Drawing Title

DOOR SCHEDULE

Sheet Number

A6.01

5/12/2015 5:05:53 PM C:\Revit_Projects\14077\00_AuroraMC_A14_Central_dmsp.rvt

STRUCTURAL NOTES

THE STRUCTURAL NOTES DEFINE GENERAL DESIGN AND MATERIAL REQUIREMENTS AND ARE INTENDED TO SUPPLEMENT, BUT NOT REPLACE, THE PROJECT SPECIFICATIONS

DESIGN CRITERIA

1. Building Code: 2009 International Building Code and ASCE 7-05 (except Chapter 14 and Appendix 11A)

   1.1 Building Occupancy Category: IV

2. Design Loads

   2.1 Uniform Floor Live Loads (reduced per Building Code, UNO)
   First Floor 100 psf

   2.2 Concentrated Floor Live Loads (distributed over 2.5 ft x 2.5 ft, UNO)
   Hospitals 1,000 lbs

   2.3 Roof Loads

   2.3.1 Uniform Roof Live Load = 20 psf

   2.3.2 Snow Loads: Ground Snow = 34 psf (with drift loads per Code) △2
   Minimum Roof Snow Load = 30 psf
   Snow Exposure Factor, Ce = 1.0
   Snow Load Importance Factor, I = 1.2
   Thermal Factor, Ct = 1.0

   2.4 Wind Loads: Basic Wind Speed = 100 mph
   Wind Importance Factor = 1.15
   Wind Exposure B
   Internal Pressure Coefficient, GCpi = +/-0.18 (Enclosed)
   GCpi = +/-0.00 (Open)

   2.4.1 Exterior Wall Component and Cladding Ultimate Pressures (psf)
   Note: Positive Pressures act Toward the Surface; Negative Away.

Effective Wind Area (sq.ft.)	Typical	Corners
10	+19 / -21	+19 / -26
20	+19 / -20	+19 / -24
50	+17 / -19	+17 / -22
100	+17 / -18	+17 / -20

   2.4.2 Roof Component and Cladding Ultimate Pressures (psf)
   Note: Positive Pressures act Toward the Surface; Negative Away.

Effective Wind Area (sq.ft.)	Typical	Edge	Corners
10	+9 / -21	+9 / -35	+9 / -53
20	+8 / -21	+8 / -34	+8 / -44
50	+8 / -20	+8 / -27	+8 / -32
100	+7 / -19	+7 / -23	+7 / -23

   Edge/Corner Zone Width, a= 15 ft

   Where the parapet height is 3 feet or greater above the roof surface, use the Edge pressure in the Corner area.

   2.5 Earthquake Loads

   Seismic Importance Factor, I = 1.50
   Mapped Spectral Response Accelerations, Ss and S1 = 20.9% g and 5.5%g
   Site Class: D
   Spectral Response Coefficients, Sds and Sd1 = 22.3% g and 8.8% g
   Seismic Design Category: C
   1986 Expansion
   Basic Seismic-Force-Resisting System: Moment Frames
   Design Base Shear: 40 kip
   Seismic Response Coefficient, Cs = 0.11
   Response Modification Factor, R = 3.0
   Analysis Procedure: Equivalent Lateral Force Procedure
   1997 Expansion
   Basic Seismic-Force-Resisting System: Moment Frames
   Design Base Shear: 100 kip
   Seismic Response Coefficient, Cs = 0.11
   Response Modification Factor, R = 3.0
   Analysis Procedure: Equivalent Lateral Force Procedure

3. Horizontal structural members (beams, slabs, etc.) will deflect under dead and live loads. Construction connected to horizontal structural members will have to accommodate this deflection. The following table provides upper estimates of the deflection that should occur:

	Live	Dead + Live Load
Floor Members	L/360	L/240
Roof Members	L/360 or 1"	L/240

   where L = member span (for cantilevers, L = twice the cantilever length)

4. Structural Engineer is not responsible for the design of handrails, curtain wall/window wall systems, cold-formed metal framing, or other systems not shown in the Structural Documents. Such systems shall be designed, furnished, and installed as required by other portions of the Construction Documents.

5. No explicit provisions have been made for future building expansion.

GENERAL

1. Reference to standards or specifications of technical societies, organizations, or associations, or to codes of local/state authorities, means the latest standard, specification, or code adopted by the date shown on the Drawings, unless specifically noted otherwise.

2. Material, workmanship, and design shall conform to the referenced Building Code.

3. For dimensions not shown in the Structural Drawings, see the Architectural Drawings.

4. Contractor responsibilities include, but are not limited to, the following:

   4.1 Coordinate the Structural Documents with the Architectural, Mechanical, Electrical, Plumbing, and Civil Documents. Architect/Structural Engineer shall be notified of any discrepancy or omission.

   4.2 Coordinate Structural Documents with Architectural and MPE Documents for location and quantity of miscellaneous framing for items such as roof drains, suspended or supported mechanical units, window washing davits, etc. Refer to Architectural and MPE Documents for additional miscellaneous structural elements that may not appear in the Structural Documents.

   4.3 Equipment/Framing Verification

   4.3.1 Mechanical Equipment: Submit actual weights of equipment to be used for review at least 3 weeks prior to fabrication and construction. Coordinate opening sizes and locations with Mechanical Contractor.

   4.3.2 Miscellaneous Framing: Verify framing shown on the Structural Drawings for mechanical equipment, Owner-furnished items, partitions, etc. is consistent with the requirements of such items.

   4.4 The structure is stable only in its completed form. Temporary supports required for stability during all intermediate stages of construction shall be designed, furnished, and installed by the Contractor.

   4.5 Contractor has sole responsibility for jobsite safety and complying with all health and safety precautions as required by any regulatory agency. In performing construction observation visits to the jobsite, the Structural Engineer will have no control over, nor responsibility for the Contractor's means, methods, sequences, techniques, or procedures in performing the work.

5. Contractor shall field verify all existing conditions, elevations, and site conditions prior to construction and fabrication. Contractor shall immediately notify Structural Engineer of any existing conditions that are in conflict with the Structural Documents.

   5.1 Shop drawing submittals shall be based on field verified dimensions and conditions only. Contractor shall clearly show actual field dimensions on shop drawings.

SUBMITTALS

1. Shop Drawings and Submittals

   1.1 Reproduction of Structural Drawings for shop drawings is not permitted.

   1.2 Electronic drawing files will not be provided to the Contractor.

   1.3 Review of shop drawings will be for conformance with the Construction Documents regarding arrangement and sizes of members and the Contractor's interpretation of the design loads, if applicable, and Construction Document details. Such review shall not relieve the Contractor of the full responsibility to comply with the Construction Documents.

2. Submittals

   2.1 The Structural Quality Assurance Plan and Specifications identify the required submittals. Prior to (or with) the first submittal, Contractor shall submit a list of all required submittals for Engineer's review.

3. Deferred Submittals

   3.1 Deferred Submittals include those portions of the project that are furnished by the Contractor and designed by someone other than the Engineer of Record and are submitted at the time of the application. Deferred Submittals shall be in accordance with the governing Building Code indicated above.

   3.2 Submittal documents for Deferred Submittals:

   3.2.1 Shall be included in the Contractor's scope of services and shall be sealed by an Engineer licensed in the project state. Design of Deferred Submittals shall be in accordance with the governing Building Code indicated above.

   3.2.2 Shall be submitted to the registered design professional in responsible charge who shall review them and forward them to the Building Official with a notation indicating the deferred submittal documents have been reviewed and that they have been found in general conformance with the design of the building. Deferred submittal items shall not be installed until the design and submittal documents have been approved by the Building Official.

   3.3 The following shall be considered Deferred Submittals:

   Steel Connections - See "Structural Steel" Section
   Cold-formed Metal Framing
   Slotted Channel Strut Framing (e.g. Unistrut)
   Seismic Anchorage and Bracing of MPE Equipment

STRUCTURAL STEEL

1. Steel Shapes

   1.1 W-Shapes: ASTM A992 (Grade 50)

   1.2 Angles, Channels, Plates, UNO: ASTM A36

   1.3 Square/Rectangular/Round Hollow Structural Sections (HSS): ASTM A500, Grade B

   1.4 Pipe Structural Sections: ASTM A501 or ASTM A53, Grade B

   1.5 Structural steel exposed to weather shall be galvanized.

2. Bolts

   2.1 Bolts: ¾" Diameter A325 bearing type. Design bearing type connections for load values with threads included in the shear plane. Submit proposed bolt tightening procedure for review.

3. Post-Installed Anchors: The products listed below are the design basis for this project. Installation of expansion anchors shall be in accordance with the ICC ES report and manufacturer's instructions for the particular anchor.

   3.1 Expansion Anchors: Hilti Kwik Bolt TZ (ICC-ES ESR-1917), Simpson Strong-Bolt 2 (ICC-ES ESR-3037), or Power-Stud+ SD2 (ICC-ES ESR-2502). Minimum embedment = 6 times anchor diameter, UNO.

   3.2 Screw Anchors: Simpson Titen-HD (Concrete: ICC-ES ESR-2713; Grouted Masonry: ICC-ES ESR-1056) or Powers Wedge-Bolt+ (ICC-ES ESR-2526). Minimum Embedment=6 times anchor diameter, UNO.

   3.3 Substitutions will only be considered for products having a code report recognizing the product for the appropriate application. The substitution request shall be accompanied by calculations that demostrate the substituted product is capable of achieving the equivalent performance values of the design-basis product.

4. Structural steel shall be fabricated and erected according to the "Specification for Structural Steel Buildings" dated March 9, 2005 and the AISC "Code of Standard Practice for Steel Buildings and Bridges" dated March 18, 2005.

5. Connections shall be detailed based on the design information provided in the Structural Documents.

   5.1 Standard Shear Connections: Detail as bolted or welded double-angle, single-plate, single-angle, or tee connections in accordance with the connection tables in the "Manual of Steel Construction", Thirteenth Edition.

   5.1.1 Shear connections not defined in the AISC Manual shall be designed by an Engineer licensed in the project state. This design service shall be included in the Contractor's scope of services. Shop drawings of such connections shall be sealed by the Engineer.

   5.2 Welded Connections: Prequalified welded joints in accordance with AISC and the Structural Welding Code of the American Welding Society; "Non-prequalified joints" shall be qualified prior to fabrication.

   5.3 Factored Design Forces/Reactions: As shown on the Structural Drawings or, if not shown, the factored design reaction shall be half of the "Maximum Total Uniform Load (LRFD)" tabulated in the "Manual of Steel Construction", Thirteenth Edition.

   5.4 Steel connections not specifically detailed in the Structural Drawings shall be designed by the Contractor. This design service shall be included in the Contractor's scope of services. Shop drawings of such connections shall be sealed by an Engineer licensed in the project state.

STRUCTURAL STEEL - CONT.

6. Shop Drawings: Submittal shall adequately depict structural members and connections.

7. Steel Bar Grating: Rectangular type with welded cross bars

   7.1 Steel: ASTM A569

   7.2 Bearing Bars: 1-1/4" deep x 3/16" thick spaced at 1-3/16"
   Cross Bars: Spaced at 4"

   7.3 Grating Finish: Galvanized, ASTM A123 or A385

   7.4 Fasten grating to steel supports with saddle clip and self drilling fastener at every sixth bearing bar along support (min. of 2 clips per panel) or fasten grating to steel supports with 3/16" fillet welds x 3/4" long at every sixth bearing bar along support (min. of 2 welds per panel).

SLOTTED CHANNEL STRUT FRAMING SUPPORT SYSTEM (UNISTRUT)

1. Provide and install slotted channel strut framing support system (Unistrut or equivalent) for the support of Owner-furnished medical equipment.

2. Design of slotted channel strut framing support system shall be the sole responsibility of the Contractor. Submit shop drawings sealed by an Engineer licensed in the project state. Shop drawings shall show plan layout, typical elevations, details, and anchorage to the structure.

3. System structural design shall adequately support the medical equipment in the vendor drawings prepared by GE, Hewlett Packard, Liebel-Flarshem, Linear Medical, Philips, Picker, Siemens, etc.

4. Tolerances: Level in both directions to within 1/16".
   Parallel to within 1/16".

5. System shall permit a minimum adjustment of 6".

6. Coordinate installation with other trades.

SEISMIC ANCHORAGE AND BRACING OF NON-STRUCTURAL COMPONENTS

1. Architectural, mechanical, and electrical components shall be properly anchored and braced to resist the seismic forces specified in the referenced Building Code. Refer to the architectural and MPE documents for specific details and additional information.

2. Suspended ducts, pipes, and conduits shall be braced in accordance with the SMACNA Seismic Restraint Manual, 1998 edition. Refer to the MPE documents for specific details and requirements.

3. Powder Driven Fasteners

   3.1 Use of powder driven concrete fasteners for tension loads is limited to support of minor loads like acoustical ceilings, duct work, and conduit.

   3.2 Allowable loads: Generally, loads should be limited to less than 100 lbs. However, greater loads may be permitted for special cases when approved by the Structural Engineer.

   3.3 Testing: Operator, tool, and fastener shall be prequalified by the Special Inspector who shall observe the testing of the first 10 fastener installations. A test "pull-out" load of not less than twice the design load, or 200 pounds, whichever is greater, shall be applied to the pin in such a manner as not to resist the spalling tendency of the concrete surrounding the pin. Thereafter, random tests under the project inspector's supervision shall be made of approximately 1 in 20 pins, except that when the design load exceeds 100 lbs, 25% of the pins shall be tested. Should failure occur on any pin tested, a minimum of 10 consecutive installations shall be tested and pass before the original testing frequency is resumed.

   3.4 See the Architectural Drawings and details for fastener type, sizes, embedments, spacing, etc.

FOUNDATION

1. Geotechnical Report: Existing Report Not Avaliable

2. Soil Bearing Capacity: Isolated Footings 2000 psf
   Capacity to be verified by independent testing contractor

REINFORCEMENT

1. Reinforcing Bars: ASTM A615, Grade 60

   1.1 Reinforcing bars are not to be welded.

2. Reinforcement Placement (UNO)

   3.1 Concrete Reinforcement Cover

Below Grade: Unformed	3"	clear
Formed	2"	clear
Slabs	¾"	clear

3. Adhesive for Dowels in Existing Concrete: Hilti HIT HY150, EPCON System Ceramic 6 Epoxy, Power-Fast Epoxy, Simpson Acrylic-Tie, or approved equal. Minimum Embedment = 12 times bar diameter, UNO. Locations as shown on drawings or approved by engineer.

CAST-IN-PLACE CONCRETE

1. Concrete Properties

   1.1 Normal Weight Structural Concrete

	28-Day f'c (min.)	w/cm Ratio (max.)	Entrained Air
Footings Isolated	4,000 psi	----	None Required
Slabs-on-Grade	3,500 psi	0.48	None Required
All Other Concrete	5,000 psi	0.40	5.0 +/- 1.5%

2. Defect Repair: Honey-combing, spalls, cracks, etc. shall be repaired. Extent of defective area to be determined by the Structural Engineer.

NON-SHRINK GROUTING

1. Non-shrink grout under steel base plates shall be non-metallic with minimum compressive strength of 5000 psi at 28 days.

2. Non-shrink grout used for patching, repair, and other specific applications shall be submitted for review and approval by engineer.

DRAWING INDEX

S0.01	STRUCTURAL NOTES, DRAWING INDEX
S0.02	STRUCTURAL QUALITY ASSURANCE PLAN
S1.00	EXISTING ROOF FRAMING PLAN/ NEW MECHANICAL PLATFORM
S1.01	MECHANICAL PLATFORM FRAMING PLAN
S1.02	EXISTING BEARING WALL DEMOLITION AND FRAMING PLANS
S2.00	FRAMING SECTIONS AND DETAILS △1
S2.01	FRAMING SECTIONS AND DETAILS
S2.02	FRAMING SECTIONS AND DETAILS
S3.00	OWNER FURNISHED EQUIPMENT DETAILS

REVISED DATE ON SEAL △3

REVISION TO PERMIT# 2015-916473-LT

Only highlighted or clouded revisions are approved on this review. All previous comments apply.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y. Munoz*
Date: *Dec 11, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *2015-1028456-LT*

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SDG Project No. 2014-205.00

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COLORADO LICENSED JAMES R. STEPHENSON 40000 PROFESSIONAL ENGINEER 5-12-15

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 POTOMAC ST, AURORA, CO 80012

Revisions △

No.	Date	Description
△1	02/03/15	REVISION 1
△2	03/04/15	REVISION 2
△3	05/12/15	REVISION 3

Issue Description	CD
Issue Date	12/30/2014
Project No	14077.00
Drawn By	C1B
Checked By	JTS/KMc

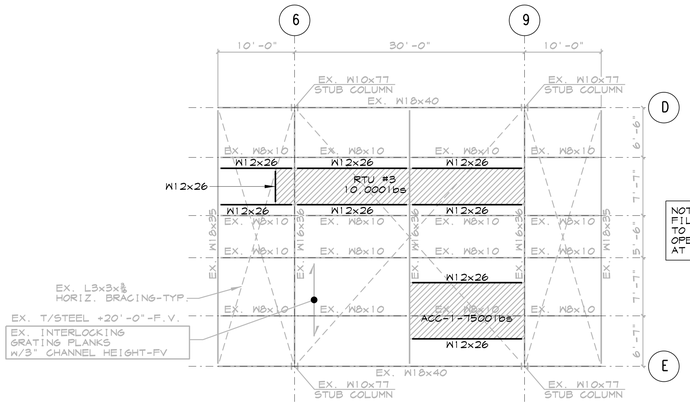
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STRUCTURAL NOTES

Sheet Number

S0.01

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NOTE:
FILL FLOOR OPENINGS w/INTERLOCKING GRATING PLANKS TO MATCH EXISTING. PROVIDE 2" MINIMUM BEARING AROUND OPENINGS w/NEW W8x10's AS NEEDED AND ATTACH GRATING AT EACH SUPPORT AS PER MANUFACTURER RECOMMENDATIONS

EXISTING MECHANICAL PLATFORM

TRUE NORTH

0 4' 8' 16' 24'

NOTE:
EXISTING DRAWINGS NOT AVALIABLE NORTH OF COLUMN LINE A.1. NEW SURGICAL LIGHT AND BOOM SUPPORTS FOR OR1, OR2, AND OR3 NOT SHOWN. FIELD VERIFY JOIST SPACING OR BOTTOM OF CONCRETE SLAB PRIOR TO FABRICATION.

SURGICAL LIGHT AND BOOM SUPPORTS - SEE S3.00 FOR ATTACHMENT DETAILS AND COORD. LOCATION WITH ARCH./VENDOR DWGS.

INDEX

S2.00 FRAMING SECTIONS AND DETAILS
S3.00 OWNER FURNISHED EQUIPMENT SECTIONS AND DETAILS

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS RELATED TO THE EXISTING BUILDING BEFORE FABRICATION AND CONSTRUCTION.
2. SEE ARCHITECTURAL DWGS FOR DIMENSIONS NOT SHOWN.
3. ⊣⊢ INDICATES WELD THRU MOMENT CONNECTION. SEE DETAIL 8/S2.00 FOR BEAM TO BEAM CONNECTIONS.
4. ALL STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE GALVANIZED.
5. CONTRACTOR SHALL COORDINATE ROOFTOP UNIT LOCATIONS AND OPENINGS W/MECH. DWGS AND FINAL UNIT SELECTION.
6. SEE STRUCTURAL NOTES FOR ANCHORAGE OF ROOFTOP STRUCTURES AND EQUIPMENT.
7. SEE SECTION 5/S2.02 FOR NEW SLAB RECESS IN EXISTING SLAB-ON-GRADE. SEE ARCH. DWGS. FOR LOCATION.

Only highlighted or clouded revisions are approved on this review. All previous comments apply.

REVISION TO PERMIT# 2015-916473-LT

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y. Munoz*
Date: *Dec 11, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *2015-1028456-LT*

REVISED DATE ON SEAL

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COLORADO LICENSED JAMES M. STEPHENSON 40000 PROFESSIONAL ENGINEER 5-12-15

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 POTOMAC ST, AURORA, CO 80012

Revisions △

No.	Date	Description
1	02/03/15	REVISION 1
2	03/04/15	REVISION 2
3	05/12/15	REVISION 3

Issue Description	CD
Issue Date	12/30/2014
Project No	14077.00
Drawn By	C1B
Checked By	JTS/KMc

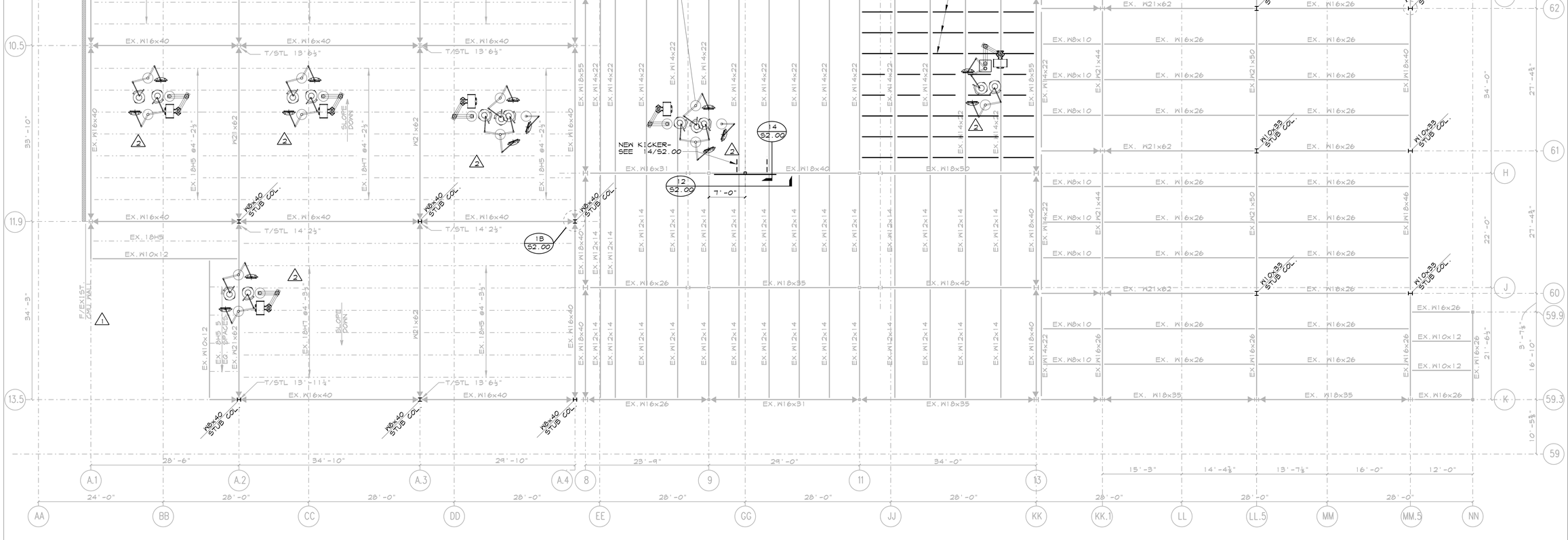
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EXISTING ROOF FRAMING PLAN/ NEW MECHANICAL PLATFORM

Sheet Number

S1.00

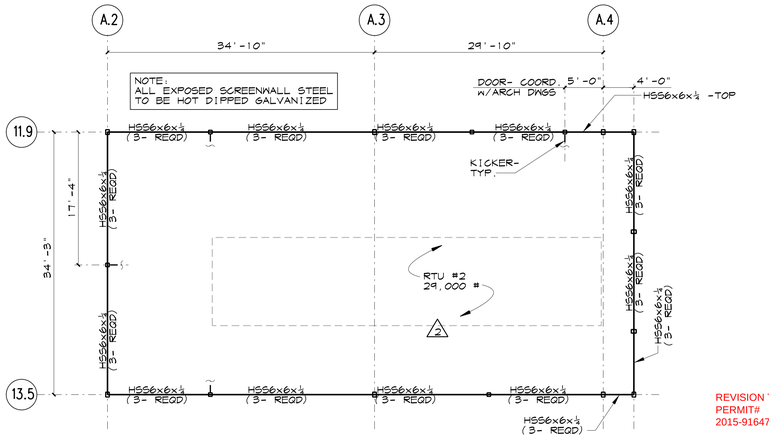
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EXISTING ROOF FRAMING PLAN/NEW MECHANICAL PLATFORM

TRUE NORTH

0 4' 8' 16' 24'



SCREENWALL FRAMING PLAN

INDEX

S2.00 FRAMING SECTIONS AND DETAILS
S3.00 OWNER FURNISHED EQUIPMENT SECTIONS AND DETAILS

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6. SEE STRUCTURAL NOTES FOR ANCHORAGE OF ROOFTOP STRUCTURES AND EQUIPMENT.

MISC. BEAM MARKS:

B1= W10x12
B2= W12x26

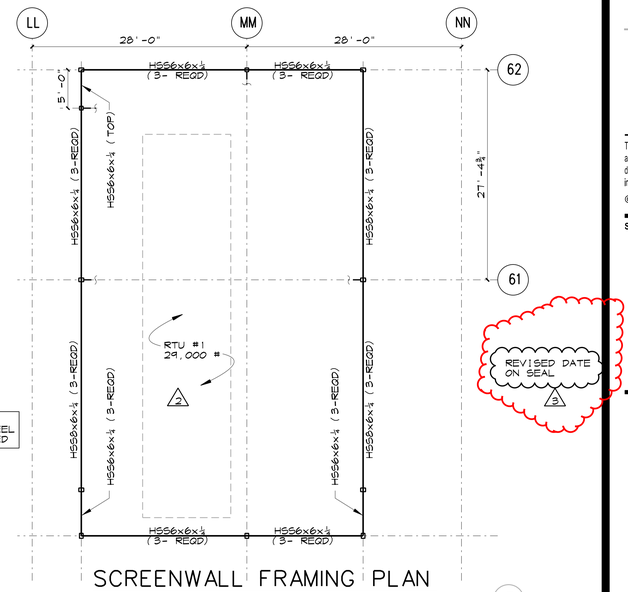
NOTE:
ALL EXPOSED SCREENWALL STEEL TO BE HOT DIPPED GALVANIZED

REVISION TO PERMIT# 2015-916473-LT

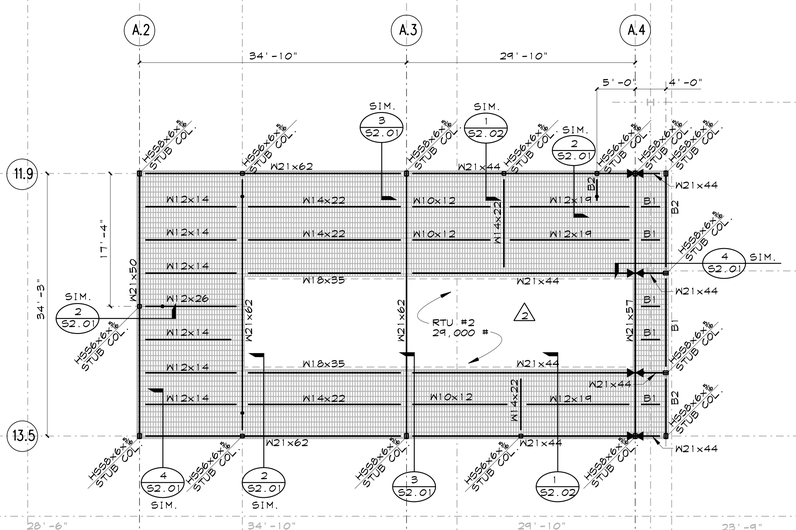
Only highlighted or clouded revisions are approved on this review. All previous comments apply.

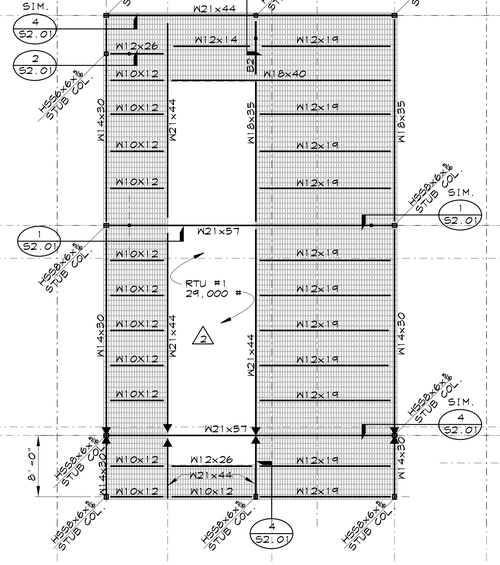
City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Y. Munoz*
Date: *Dec 11, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *2015-1028456-LT*



SCREENWALL FRAMING PLAN





MECHANICAL PLATFORM FRAMING PLAN

TRUE NORTH

0 4' 8' 16' 24'

Structural Design Group
220 Great Circle Road, Suite 106
Nashville, Tennessee 37228
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SDG Project No. 2014-205.00

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40000
PROFESSIONAL ENGINEER
5-12-15

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 POTOMAC ST, AURORA, CO 80012

Revisions
No.	Date	Description
2	03/04/15	REVISION 2
3	05/12/15	REVISION 3

Issue Description	CD
Issue Date	12/30/2014
Project No	14077.00
Drawn By	C1B
Checked By	JTS/KMc

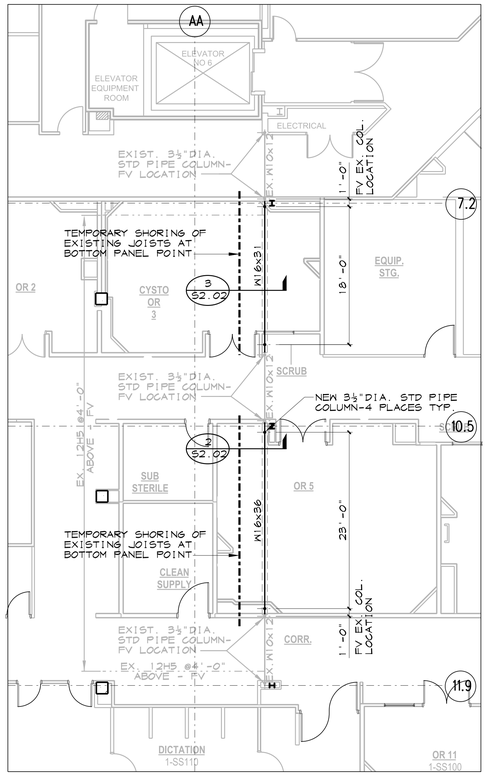
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MECHANICAL PLATFORM FRAMING PLAN

Sheet Number

S1.01

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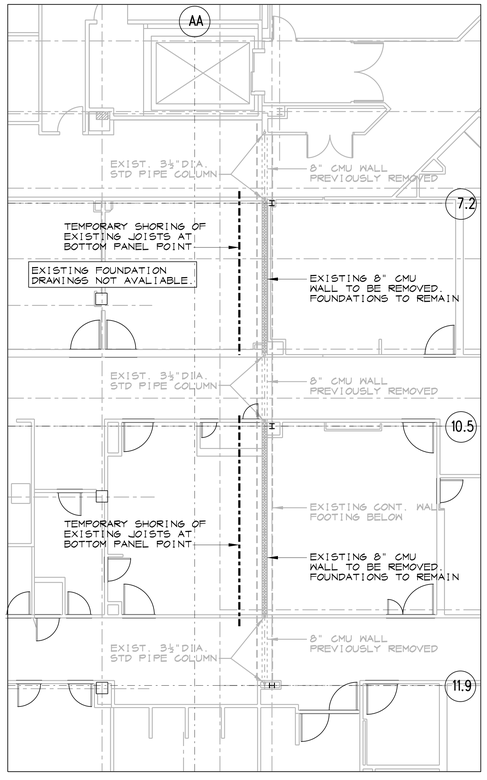


NEW FRAMING PLAN

TRUE NORTH

0 4' 8' 16' 24'

NOTES:
1. TEMPORARY SHORING SHALL BE TO BOTTOM CHORD OF PANEL POINT OF EXISTING JOISTS. INSTALL SHORING PRIOR TO REMOVING EXISTING CMU WALL AND MAINTAIN IN PLACE UNTIL NEW BEAMS SUPPORTING EXISTING JOISTS HAVE BEEN INSTALLED.
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS RELATED TO THE EXISTING STRUCTURE PRIOR TO FABRICATION AND CONSTRUCTION.
3. IF NEW BEAMS ARE TOO LONG TO NAVIGATE THROUGH CORRIDORS, BEAMS CAN BE FABRICATED IN TWO (2) PIECES AND MOMENT SPLICED PRIOR TO LIFTING INTO PLACE. SEE 4/S2.02 FOR MOMENT SPLICE DETAILS.



EXISTING BEARING WALL DEMOLITION

TRUE NORTH

0 4' 8' 16' 24'

REVISED DATE ON SEAL
3

REVISION TO PERMIT# 2015-916473-LT

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City of Aurora Building Division
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5-12-15

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 POTOMAC ST, AURORA, CO 80012

Revisions 3

No.	Date	Description
1	02/03/15	REVISION 1
3	05/12/15	REVISION 3

Issue Description	CD
Issue Date	12/30/2014
Project No	14077.00
Drawn By	C1B
Checked By	JTS/KMc

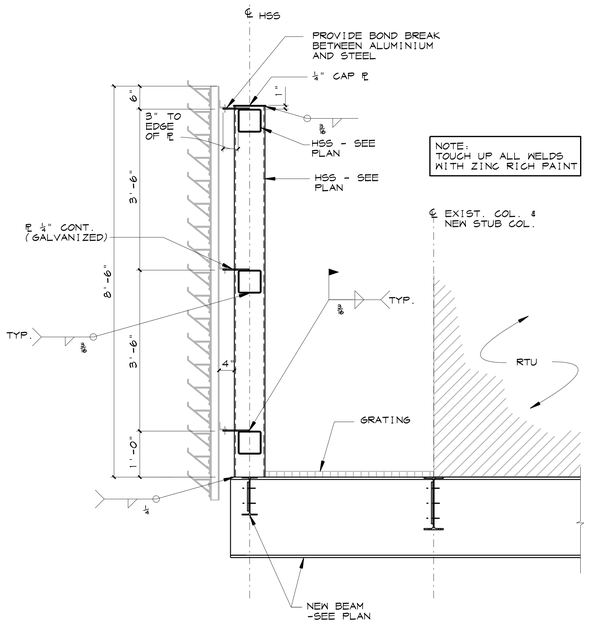
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EXISTING BEARING WALL DEMOLITION AND FRAMING PLANS

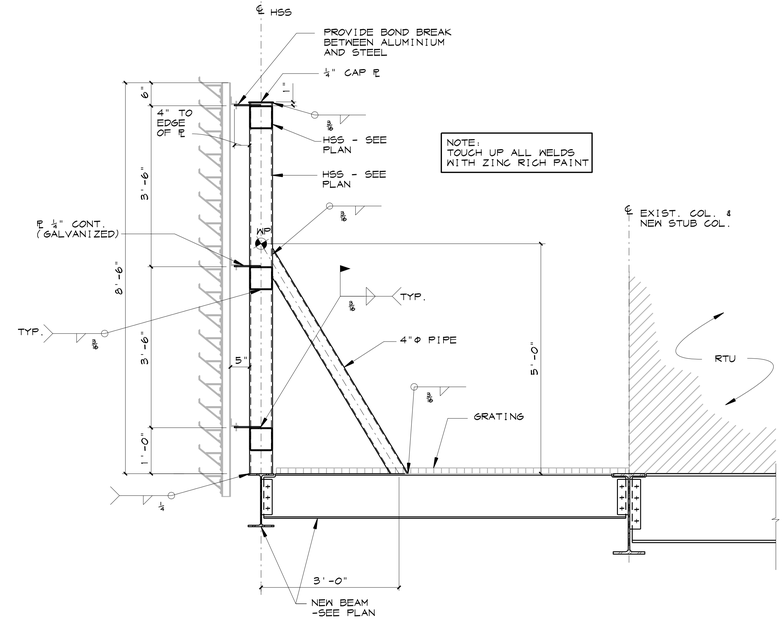
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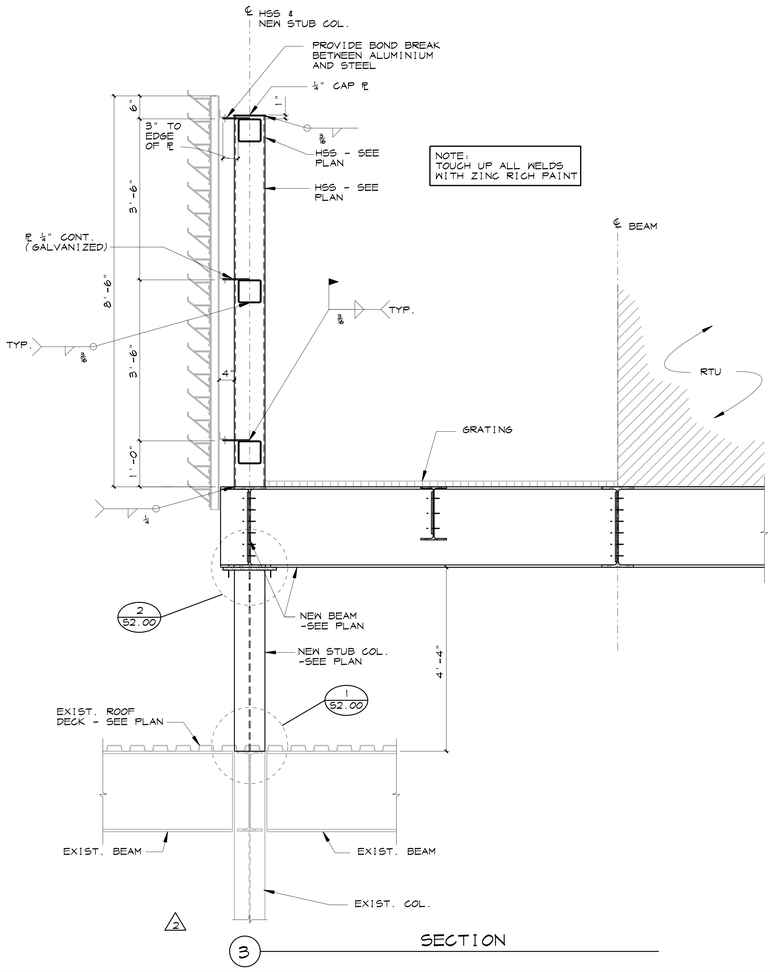


4 SECTION

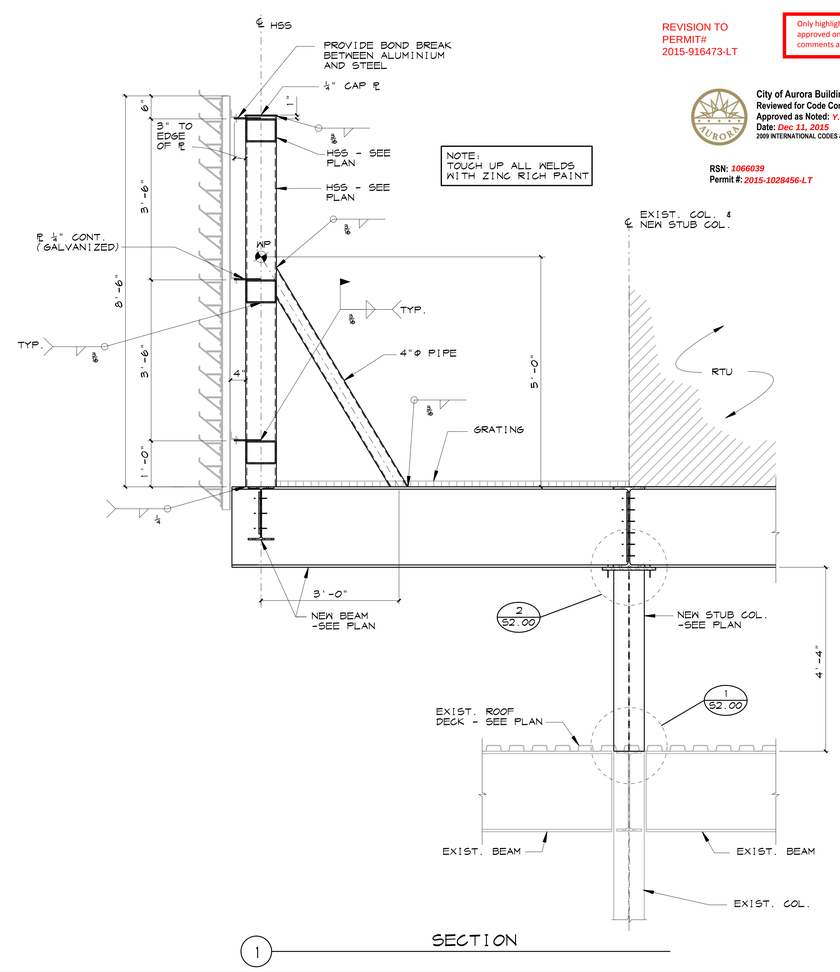


2 SECTION

REVISED DATE ON SEAL
3



3 SECTION



1 SECTION

REVISION TO PERMIT# 2015-916473-LT

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City of Aurora Building Division
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RSN: *1066039*
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PROFESSIONAL ENGINEER

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 POTOMAC ST, AURORA, CO 80012

Revisions

No.	Date	Description
2	03/04/15	REVISION 2
3	05/12/15	REVISION 3

Issue Description	CD
Issue Date	12/30/2014
Project No	14077.00
Drawn By	C1B
Checked By	JTS/KMc

Drawing Title

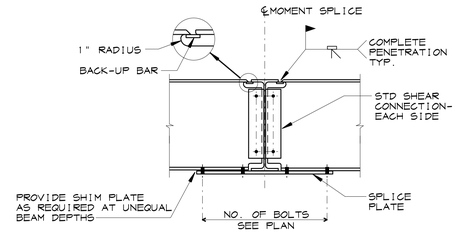
FRAMING SECTIONS AND DETAILS

Sheet Number

S2.01

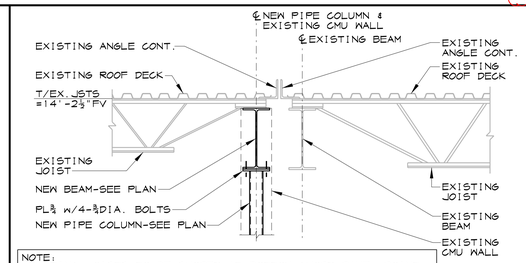
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BEAM SIZE	# OF BOLTS	PLATE SIZE
W16x31	12-1"DIA.	⅜"x7"
W16x36	16-1"DIA.	⅜"x8"



△1

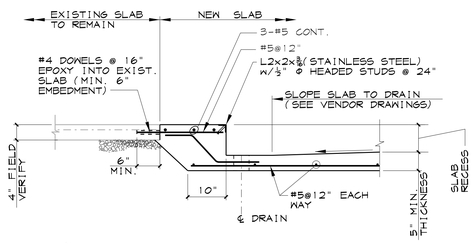
4 WELDED/BOLTED MOMENT CONNECTION



NOTE:
EXISTING JOISTS TO BE SHORED AT BOTTOM CHORD PANEL POINT PRIOR TO EXISTING CMU WALL REMOVAL. MAINTAIN SHORING UNTIL INSTALLATION OF NEW COLUMNS AND BEAMS ARE COMPLETE.

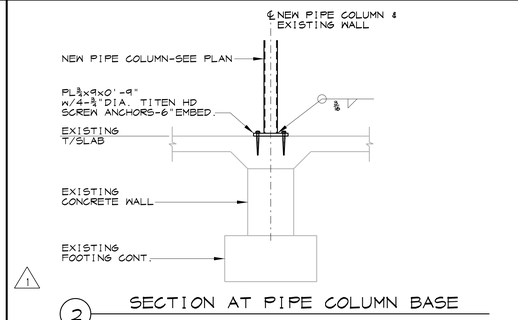
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3 SECTION AT EXISTING ROOF



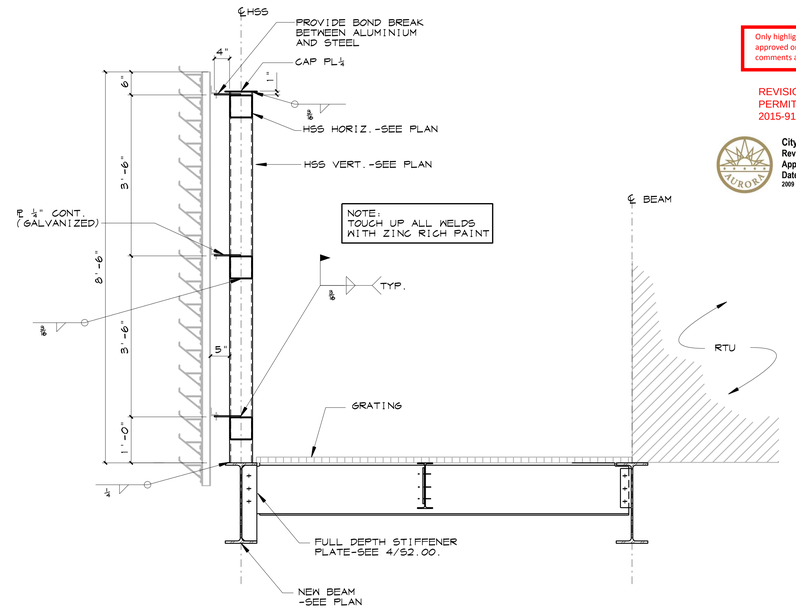
△2

5 SECTION AT NEW SLAB RECESS



△1

2 SECTION AT PIPE COLUMN BASE



1 SECTION

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REVISION TO PERMIT# 2015-916473-LT

City of Aurora Building Division
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RSN: *1066039*
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REVISED DATE ON SEAL △3

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THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 POTOMAC ST, AURORA, CO 80012

Revisions △

No.	Date	Description
△1	02/03/15	REVISION 1
△2	03/04/15	REVISION 2
△3	05/12/15	REVISION 3

Issue Description	CD
Issue Date	12/30/2014
Project No	14077.00
Drawn By	C1B
Checked By	JTS/KMc

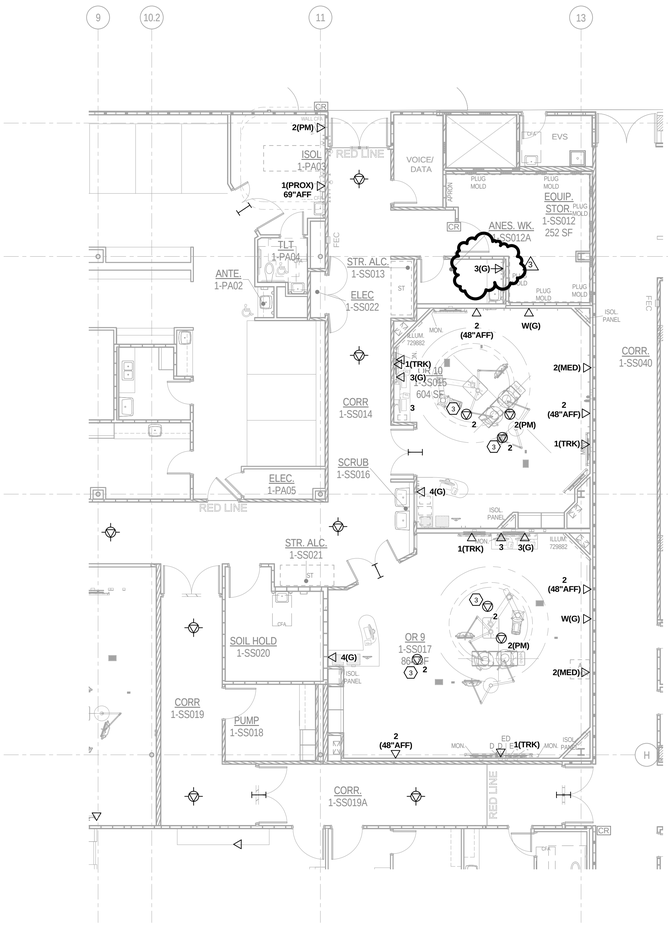
Drawing Title

FRAMING SECTIONS AND DETAILS

Sheet Number

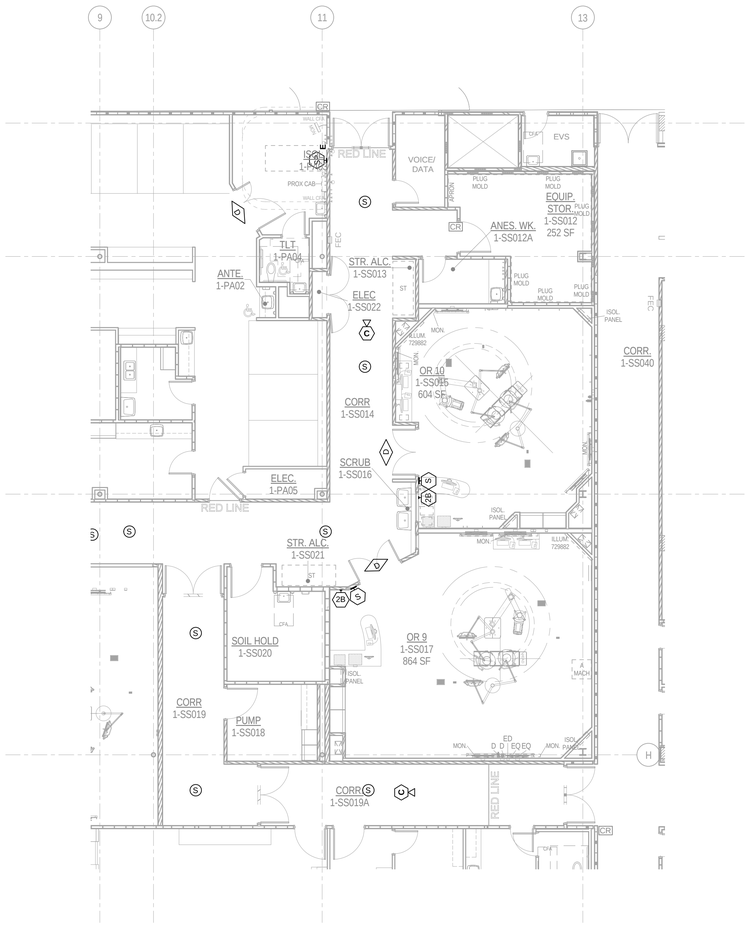
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1 TELECOMMUNICATIONS PLAN - PHASE II

SCALE: 1/8" = 1'-0"



2 COMMUNICATIONS PLAN - PHASE II

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. DASHED - J- LINES IN HALLWAYS INDICATES CABLE PATHWAYS.

B. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL ELEVATION DRAWINGS PRIOR TO ROUGH-IN FOR EXACT LOCATION OF ALL COMMUNICATION DEVICES.

C. AT EACH WIRELESS ACCESS POINT. CABLING CONTRACTOR SHALL LEAVE 25' OF SLACK CABLE NEATLY COILED IN CEILING FOR FUTURE RELOCATION OF CABLING. CABLES SHALL TERMINATE PER PROJECT SPECIFICATIONS.

NOTES:

1. THIS ROOM IS DESIGNATED AS COMMUNICATIONS ROOM FOR THIS FLOOR / AREA.
2. CABLING CONTRACTOR SHALL INSTALL SLEEVES OF SUFFICIENT SIZE AND QUANTITY FOR PATHWAY THROUGH WALL. SLEEVES SHALL BE HILTI SPEED SLEEVE PART NUMBERS CP-653-2 AND CP-653-4.CABLING CONTRACTOR SHALL INSTALL ALL SLEEVES PER MANUFACTURER INSTRUCTIONS.
3. DATA CEILING DROP. CONTRACTOR SHALL PROVIDE CABLE RETRACTOR WITH CLIP TO ALLOW FOR THE SUSPENSION OF PATCH CABLES FROM THE CEILING.

This sheet of drawings has not been reviewed for code compliance.

RSN: *1066039*
Permit #: *2015-1028456-LT*

I.C. Thomasson Associates, Inc.

CONSULTING ENGINEERS
2950 KRAFT DRIVE, SUITE 500
NASHVILLE, TN. 37204
PHONE (615) 346-3400
FAX (615) 346-3550
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ICT Project No. 140316

Seals



THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15
Revision 3	05/12/15

Issue Description	CD
Issue Date	2014-12-30
Project No	14077.00
Drawn By JKS	Checked By DMH

Drawing Title

TELECOMMUNICATIONS PHASE II

Sheet Number

T1.02

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GENERAL FINISH NOTES

A. GENERAL

1. CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONTRACT DOCUMENT FINISH PLANS AND SHALL AT ONCE REPORT TO THE PROJECT ARCHITECT ANY INCONSISTENCY OR OMISSION HE/SHE MAY DISCOVER.

2. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE PROJECT ARCHITECT/DESIGNER BEFORE CONTINUING WITH CONSTRUCTION.

3. CONTRACTOR SHALL NOTIFY PROJECT ARCHITECT/DESIGNER OF ITEMS REQUIRING FINISH SELECTIONS THAT ARE NOT CLARIFIED IN THE CONTRACT DOCUMENTS OR IN THE PROJECT SPECIFICATIONS. PROJECT ARCHITECT/DESIGNER SHALL DETERMINE IF SAID FINISHES BE SELECTED FROM THE SHOP DRAWINGS AND/OR SAMPLES TO BE MATCHED AS REQUIRED. CONTACT PROJECT DESIGNER ALANA MORRIS AT 615-329-9445.

4. CONTRACTOR IS TO VERIFY THE AVAILABILITY OF ALL FINISH MATERIALS FROM THE MANUFACTURER AND TO MAKE ARRANGEMENTS WITH THE MANUFACTURER TO HAVE THE APPROPRIATE SUPPLY IN STOCK FOR THE PROJECT. CONTRACTOR IS TO OBTAIN MATERIALS AND STORE THEM IN A SECURE FACILITY IF THE MANUFACTURER PLANS TO DISCONTINUE THE SPECIFIED FINISH MATERIALS.

5. CONTRACTOR TO SUBMIT TO THE ARCHITECT AND OWNER ONE COPY EACH OF MANUFACTURER'S SUGGESTED REQUIREMENTS FOR ALL FLOOR AND WALLCOVERING MATERIALS. CONTRACTOR TO SUBMIT TO THE ARCHITECT AND OWNER ONE COPY EACH OF FLAMESPREAD, SMOKE DENSITY, AND TOXICITY RATING INFORMATION ON ALL FLOOR AND WALLCOVERING MATERIALS.

6. ALL INTERIOR FINISHES SHALL COMPLY WITH NFPA 101, 18.3.3.3, INTERIOR FINISHES.

7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL EXISTING FINISHES WHERE NEW FINISHES ARE SPECIFIED AND TO PREPARE SUBSTRATE TO RECEIVE NEW FINISHES PER MANUFACTURER'S RECOMMENDATIONS.

8. IN ALL AREAS NOTED AS "PATCH AND MATCH", CONTRACTOR IS TO PATCH AND REPAIR EXISTING CEILING, WALL, BASE, AND FLOORS AS REQUIRED TO PROVIDE A SEAMLESS TRANSITION AND UNIFORM APPEARANCE AT JUNCTION OF NEW AND EXISTING FINISHES. ANY OLD FINISHES SHALL BE REMOVED TO THE NEAREST CORNER. ANY PRODUCTS AFFECTED BY CONSTRUCTION OR DEMOLITION SHALL BE RETURNED TO "LIKE-NEW" CONDITION. CONTRACTOR SHALL PROVIDE SAMPLES OF ALL "MATCHING" PRODUCTS FOR REVIEW AND APPROVAL BY THE OWNER. ALL PRODUCTS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

9. COORDINATE FLOOR, WALL AND CEILING FINISH INSTALLATION TO ENSURE MATERIALS ARE FLUSH WITH EXPANSION JOINT AND COVER.

10. ALL FINISH MATERIALS INDICATED IN THE CONSTRUCTION DOCUMENTS SHALL BE CLASS 'A' FOR WALL OR CEILING FINISH; CLASS '1' FOR FLOOR FINISH, UNLESS NOTED OTHERWISE. THESE MATERIALS SHALL BE TESTED PER REQUIREMENTS LISTED IN THE SPECIFICATIONS AND ON THE SUBSTRATE INDICATED IN THE CONSTRUCTION DOCUMENTS. AS PART OF THE SUBMITTAL PROCESS, VERIFIED TEST DOCUMENTS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO FINAL PRODUCT SUBMITTAL REVIEW AND INSTALLATION.

B. TILE INSTALLATION (CERAMIC, PORCELAIN)

1. INSTALL TILE PER TCNA GUIDELINES. SEE SPECIFICATION SECTION 093000 AND 093033 FOR REQUIRED ADHESIVES AND INSTALLATION METHODS.

2. REFER TO FLOOR PATTERN OR FINISH SHEETS FOR CLARIFICATIONS AND DIMENSIONS OF FLOOR PATTERNS.

3. IF ANY DIMENSIONS OR CONDITIONS OF TILE INSTALLATION ARE IN QUESTION, CONTACT PROJECT DESIGNER, ALANA MORRIS AT 615-329-9445 FOR CLARIFICATION.

4. SEE STRUCTURAL PLANS FOR ANY AREAS WHERE TILE IS TO BE INSTALLED ON A DEPRESSED SLAB FOR THICK-SET APPLICATIONS.

5. WHERE FLOOR/WALL TILES ARE CENTERED WITHIN A SPACE, ENSURE ALL PERIMETER AND/OR BORDER TILES AT FLOORS/WALLS ARE OF EQUAL DEPTH.

6. ALL FIELD TILES WITHIN A BORDER SHALL BE CENTERED WITHIN THE BORDER SO THAT ALL PERIMETER FIELD TILES ARE OF EVEN DEPTH (UNLESS OTHERWISE NOTED).

7. TILE WAINSCOT IS TO CONTINUE AS ONE ROW OF TILE AROUND ALL OBSTRUCTIONS (I.E. ELECTRICAL PANELS, FIREHOSE CABINETS) 9'0" A.F.F. USE SCHULTER, JOLLY TRIM TO FINISH TOP OF WALL TILE.

8. ENSURE THAT ALL SEAMS ON FLOOR/WALL TILE PATTERNS ARE SYMMETRICAL, UNLESS OTHERWISE NOTED; RANDOM PATCHWORK OF TILE PATTERNS WILL NOT BE ACCEPTED.

9. ANY TILE CRACKED OR CHIPPED DURING OR AFTER INSTALLATION BUT BEFORE DATE OF SUBSTANTIAL COMPLETION SHALL BE REPLACED.

10. SEE FINISH MATERIALS LISTING FOR GROUT JOINT SIZES.

11. ALL FLOOR/WALL TILE IN WET AREAS (SHOWERS, ETC.) TO BE INSTALLED WITH EPOXY GROUT. CONTRACTOR TO SUBMIT ALL AVAILABLE GROUT COLORS FOR DESIGNER'S CHOICE/APPROVAL.

12. CONTRACTOR TO SUBMIT ALL AVAILABLE GROUT COLORS FOR DESIGNER'S CHOICE/APPROVAL.

13. GENERAL CONTRACTOR, FLOORING SUBCONTRACTOR AND INTERIOR DESIGNER TO ATTEND PRE-INSTALLATION MEETING TO REVIEW FLOOR/WALL TILE INSTALLATION.

C. FLOORING TRANSITIONS

1. ALL FLOORING TRANSITIONS SHALL OCCUR AT THE CENTERLINE OF ALL DOORS UNLESS OTHERWISE DESIGNATED BY FLOOR TRANSITION SYMBOLS ON THE FINISH PLANS.

2. SEE FLOOR TRANSITION DETAILS ON SHEET F0.01 FOR TRANSITION MATERIALS. CONTRACTOR TO PROVIDE COLOR CHAIN DURING SUBMITTAL PROCESS FOR DESIGNER'S CHOICE/APPROVAL.

3. IF A FLOORING TRANSITION IS REQUIRED AND IS NOT SPECIFIED IN THE FLOOR TRANSITION DETAILS, THE FLOORING CONTRACTOR SHALL NOTIFY DESIGNER FOR SELECTIONS.

4. WHEN PRODUCTS OF DIFFERENT THICKNESS ARE INSTALLED ADJACENT TO ONE ANOTHER, FLOORING CONTRACTOR TO "FLOAT" THE FLOOR AT A RISE OF NO GREATER THAN 1/8" PER FOOT TO ALLOW FLOOR TRANSITION TO OCCUR AT SAME HEIGHT.

D. RESILIENT FLOORING (VINYL COMPOSITION TILE, SHEET VINYL, LINOLEUM, RUBBER)

1. CONTRACTOR SHALL VERIFY THE CONDITION OF THE SLAB WITH REGARD TO CURING COMPOUNDS AND MOISTURE CONTENT AND INSTALL MATERIAL PER MANUFACTURER'S RECOMMENDATION FOR SLAB PREPARATION AND ADHESIVE TO COMPLY WITH WARRANTY REQUIREMENTS.

2. CONTRACTOR TO COORDINATE WITH THE OWNER REGARDING AREAS WITH HEAVY ROLLING EQUIPMENT (PATIENT ROOMS, OPERATING ROOMS, TRAUMA ROOMS, HOLDING ROOMS, ETC. AND ALL ASSOCIATED CORRIDORS ALONG TRAVEL ROUTE) WHICH MAY REQUIRE ADDITIONAL PREPARATION AND/OR ADHESIVES.

3. REFER TO FLOOR PATTERN SHEETS, FOR CLARIFICATIONS AND DIMENSIONS OF FLOOR PATTERNS.

4. WHERE VINYL COMPOSITION TILES ARE CENTERED WITHIN A SPACE, ENSURE ALL PERIMETER TILES AND/OR BORDER TILES AT WALLS ARE OF EQUAL DEPTH.

5. ENSURE ALL SEAMS ARE PROPERLY MATCHED.

6. ALL SHEET VINYL TO BE HEAT WELDED (ESa STANDARD). WELDING RODS TO MATCH ADJACENT FLOORING.

7. FOR HEAT WELDED (SHEET LINOLEUM, SHEET RUBBER), CONTRACTOR TO SUBMIT ALL AVAILABLE WELDING ROD COLORS FOR DESIGNER'S CHOICE/APPROVAL. (VERIFY WITH CODES/MANUFACTURER APPROPRIATE LOCATIONS/METHODS OF SEAMING)

8. FLOORING SUBCONTRACTOR TO VERIFY RIGHT-SIDE UP WHEN LAYING HOMOGENEOUS FLOORING PRIOR TO INSTALLATION.

9. GENERAL CONTRACTOR, FLOORING SUBCONTRACTOR AND DESIGNER TO ATTEND PRE-INSTALLATION MEETING TO REVIEW RESILIENT FLOORING INSTALLATION.

E. BASE

1. SEE FINISH PLANS AND INTERIOR ELEVATIONS FOR BASE MATERIALS AND LOCATIONS.

2. ALL INTEGRAL BASE TO BE 6" H.

F. PAINT

1. SEE SPECIFICATION SECTION 099100 FOR "INTERIOR PAINT SYSTEM" (IPS) WHICH INDICATES THE BEST PAINT SYSTEMS FOR VARIOUS SUBSTRATES.

2. ALL GYP. BD. CEILINGS TO BE PAINTED IPS-6, UNLESS NOTED OTHERWISE.

3. ALL GYP. BD. WALLS TO BE PAINTED IPS-7, UNLESS NOTED OTHERWISE.

4. PAINT UNDERSIDE SURFACE OF ANY BULKHEADS/SOFFITS TO MATCH COLOR AND FINISH OF THE BULKHEADS/SOFFITS VERTICAL SURFACES. SEE REFLECTED CEILING PLANS FOR BULKHEAD PAINT SELECTIONS.

5. EPOXY PAINT (IPS-8) SHALL BE USED IN THE FOLLOWING AREAS: TOILETS, SHOWERS, JANITOR'S CLOSETS, SOILED UTILITIES, CENTRAL STERILE, DECONTAMINATION, OPERATING ROOMS, ISOLATION ROOMS AND CLEAN SUPPLY ROOMS.

6. IN ALL ROOMS WITH EXPOSED STRUCTURE, PAINT ALL WALLS TO EXTEND FULL HEIGHT OF WALLS.

7. PAINT FINISH ON FLOORS SHALL MEET ALL ANSI REQUIREMENTS FOR SKID RESISTANCE.

G. WINDOWS, DOORS, DOOR FRAMES, ACCESS DOORS AND GRILLES

1. ALL METAL ACCESS DOORS, ELECTRICAL PANELS, RECESSED CABINET FACES, HVAC REGISTERS, GRILLES, ETC., SHALL BE PAINTED TO MATCH ADJACENT WALL COLOR. FIRE HOSE CABINETS SHALL BE PAINTED TO MATCH ADJACENT WALL COLOR, UNLESS LOCAL CODE REQUIRES THEM TO BE OTHERWISE.

2. INTERIOR HOLLOW METAL DOORS, DOOR FRAMES, WINDOW FRAMES AND VIEW WINDOW FRAMES SHALL BE PAINTED PT-2 , UNLESS OTHERWISE NOTED.

3. VIEW WINDOW FRAMES IN DOORS SHALL BE PAINTED TO MATCH DOOR FINISH. CONTRACTOR SHALL SUBMIT COLOR FOR DESIGNER'S CHOICE/APPROVAL.

4. FINISH FOR DOORS SHALL BE PLASTIC LAMINATE, PL-1.

5. IN THE CASE WHERE A DOOR FRAME RECEIVES A GIVEN PAINT COLOR ON ONE SIDE OF THE DOOR, AND ANOTHER PAINT COLOR ON THE OPPOSITE SIDE OF THE DOOR, THE TRANSITION SHALL OCCUR ON THE INSIDE CORNER OF THE JAMB STOP.

6. CONTRACTOR TO PROVIDE BLOCKING AT ALL EXTERIOR AND INTERIOR WINDOWS FOR BLINDS AND/OR DRAPERY TREATMENTS.

7. WINDOW SILLS SHALL BE SOLID SURFACE, SS-1.

H. CASEWORK

1. SEE SPECIFICATION SECTION 123200, INSTITUTIONAL CASEWORK FOR CONSTRUCTION METHODS AND HARDWARE.

2. SEE CASEWORK AND INTERIOR ELEVATIONS FOR IDENTIFICATION OF CABINET AND COUNTERTOP FINISHES.

3. SEE MATERIALS FINISH LISTING FOR PVC EDGE BANDING SELECTIONS.

4. ALL HINGES TO BE BUTT HINGES UNLESS OTHERWISE NOTED. SEE ELEVATIONS.

5. ALL CABINET PULLS TO BE SATIN CHROME-PLATED WIRE PULLS (LSI STANDARD) UNLESS OTHERWISE NOTED. SEE ELEVATIONS.

6. HINGE AND LOCK FINISH TO MATCH CABINET PULL FINISH, TYP.

I. CEILINGS

1. CEILING HEIGHTS, MATERIALS, AND FINISHES APPEAR ON REFLECTED CEILING PLAN.

2. CEILING TILE GRID TO MATCH COLOR OF CEILING TILE UNLESS OTHERWISE NOTED.

3. GYP. BD. CEILINGS TO MATCH SHERWIN WILLIAMS SW7005, PURE WHITE UNLESS OTHERWISE NOTED.

4. IF A ROOM IS DESIGNATED TO RECEIVE EPOXY PAINT ON THE WALLS, GYP. BD. CEILINGS TO RECEIVE EPOXY PAINT.

5. CEILING ACCESS PANELS, HVAC REGISTERS AND GRILLES TO BE PAINTED TO MATCH ADJACENT CEILING, UNLESS NOTED OTHERWISE.

6. ALL GYP. BD. CEILINGS IN THE FOLLOWING AREAS SHALL RECEIVE EPOXY PAINT (IPS-8) : TOILETS, SHOWERS, JANITOR'S CLOSETS, SOILED UTILITIES, CENTRAL STERILE, DECONTAMINATION, OPERATING ROOMS, ISOLATION ROOMS AND CLEAN SUPPLY ROOMS.

M. WALL PROTECTION

1. SEE WALL PROTECTION PLANS FOR LOCATIONS AND SPECIFICATIONS OF WALL PROTECTION. SEE WALL PROTECTION PLANS FOR LOCATIONS OF IMPACT RESISTANT WALLCOVERING (IRW).

2. MOUNTING HEIGHTS FOR CHAIRRAILS, BUMPERGUARDS AND HANDRAILS ARE TO MATCH EXISTING OR AS FOLLOWS:

   BUMPERGUARD: SEE WALL PROTECTION LEGEND
   CHAIRRAIL: SEE WALL PROTECTION LEGEND
   HANDRAIL: SEE WALL PROTECTION LEGEND
   IMPACT RESISTANT WALLCOVERING: SEE WALL PROTECTION LEGEND

3. CONTRACTOR TO PROVIDE BLOCKING IN WALLS FOR BUMPERGUARDS, CRASHRAILS, CHAIRRAILS AND HANDRAILS.

4. CONTRACTOR TO PROVIDE 48" HEIGHT CORNERGUARDS, UNLESS NOTED OTHERWISE. CORNERGUARDS SHALL BE MOUNTED FROM THE TOP OF WALL BASE TO CEILING.

N. SIGNAGE

1. SIGNAGE SHALL BE CONTRACTOR FURNISHED AND VENDOR INSTALLED. NEW SIGNAGE **MUST MATCH HOSPITAL STANDARD SIGNAGE.**

2. REFER TO SPECIFICATIONS FOR DESCRIPTION OF SIGN TYPES.

3. MANUFACTURER SHALL VERIFY COPY AND SIGN TYPE WITH OWNER PRIOR TO BEGINNING FABRICATION.

4. MANUFACTURER SHALL ENSURE THAT ALL CONDITIONS COMPLY WITH ADA AND LOCAL CODES.

O. TOILET PARTITIONS

1. FINISH AT TOILET PARTITIONS/URINAL SCREENS SHALL BE PLAM, PL-1.

P. MISC

1. CONTRACTOR TO PROVIDE CLOCK, HOWARD MILLER ACCUWAVE, ATOMIC CLOCK FOR ALL PATIENT SPACES AND STAFF LOUNGES. SEE PLANS FOR LOCATIONS.

2. CONTRACTOR TO PROVIDE MARKERBOARDS FOR FOR ALL PATIENT SPACES (MB ON PLANS), STAFF LOUNGES (MB1) AND EACH OPERATING ROOM (MB2). SEE PLANS FOR LOCATIONS AND VERIFY WITH HOSPITAL. PATIENT MARKERBOARD TO MATCH HOSPITAL STANDARD.

FINISH MATERIALS LISTING

CONTACT INFORMATION (SEE SPECS)

WALLS

PAINT

PT-1	SHERWIN WILLIAMS: KILIM BEIGE SW6106
PT-2	SHERWIN WILLIAMS: NOMADIC DESERT SW6107
PT-3	SHERWIN WILLIAMS: MATCH BENJAMIN MOORE, CREEKSIDE GREEN 2141.40
PT-4	SHERWIN WILLIAMS: DIVINE WHITE SW6105

EPOXY PAINT

EP-1	SHERWIN WILLIAMS: KILIM BEIGE SW6106
EP-2	SHERWIN WILLIAMS: NOMADIC DESERT SW6107
EP-3	SHERWIN WILLIAMS: MATCH BENJAMIN MOORE, CREEKSIDE GREEN 2141.40
EP-4	SHERWIN WILLIAMS: DIVINE WHITE SW6105

PORCELAIN WALL TILE

PWT-1	DALTILE, PARKWAY, BEIGE PK96, 9 X 12 X 5/16", 1/8" GROUT JOINT SIZE

IMPACT-RESISTANT WALLCOVERING

IRW-1	INPRO CORPORATION, OATMEAL 0239, 0.06 THICKNESS
IRW-2	INPRO CORPORATION, SHAKER CHERRY 0568, 0.06 THICKNESS

BASE

PORCELAIN TILE BASE

PTB-1	DALTILE, PARKWAY, BEIGE PK96, S-4869, 6 X 6, 1/8" GROUT JOINT SIZE

INTEGRAL BASE

IB-1	MATCH SHEET VINYL ADJACENT TO THE WALL

RUBBER BASE

RB-1	JOHNSONITE, COVE BASE, 4", BEIGE 49

FLOORS

PORCELAIN FLOOR TILE

PFT-1	DALTILE, PARKWAY, BEIGE PK96, 12 X 12 X 3/8", 3/16 GROUT JOINT SIZE

LUXURY VINYL TILE- (CORRIDOR LVT'S NEEDED IF DAMAGED)

LVT-1	ARMSTRONG, NATURAL CREATIONS, EARTHCUTS, DELICATO OYSTER TP532, 12X24
LVT-2	MANNINGTON, NATURAL CREATIONS PLANK, CENTURY CHERRY, COLONIAL 12150, 5 X 36
LVP-1	MANNINGTON, NATURE'S PATH SELECT, CENTURY CHERRY, COLONIAL 12150, 5 X 48

VINYL COMPOSITION TILE

VCT-1	MANNINGTON, ALMOND BUFF 167, 12 X 12
VCT-2	MANNINGTON, WHEAT 123, 12 X 12
VCT-3	MANNINGTON, PECAN 178, 12 X 12
VCT-4	MANNINGTON, FROSTE JADE 255, 12 X 12

SHEET VINYL (ESa STANDARD - ALL SHEET VINYLS ARE HEAT WELDED)

SV-1	MANNINGTON: BIOSPEC, COOL BEIGE 15240 (NEUTRAL)
SV-2	MANNINGTON: BIOSPEC, COLOR TECHNO GRAY 15371(ACCENT)
SV-3	MANNINGTON: BIOSPEC, COLOR OYSTER WHITE 15201 (LIGHT NEUTRAL)
SV-4	MANNINGTON: BIOSPEC, COLOR HOT SAUCE 15342 (RED)

PAINTED CONCRETE FLOOR

PCF-1	SEE SPECS

MILLWORK MATERIALS & SPECIALTIES

PLASTIC LAMINATE (SPECIFY EDGEBANDING HERE)

PL-1	WILSONART: SHAKER CHERRY 7935K-07
PL-2	WILSONART: TAN SOAPSTONE 4501-38

SOLID SURFACE

SS-1	CORIAN: TUMBLEWEED

FLOOR TRANSITIONS

RSN: *1066039*
Permit #: *2015-1028456-LT*

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STATE OF COLORADO
RICHARD L. MILLER
301983
5-12-15
LICENSED ARCHITECT

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15
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Drawn By: Author	Checked By: Checker

Drawing Title

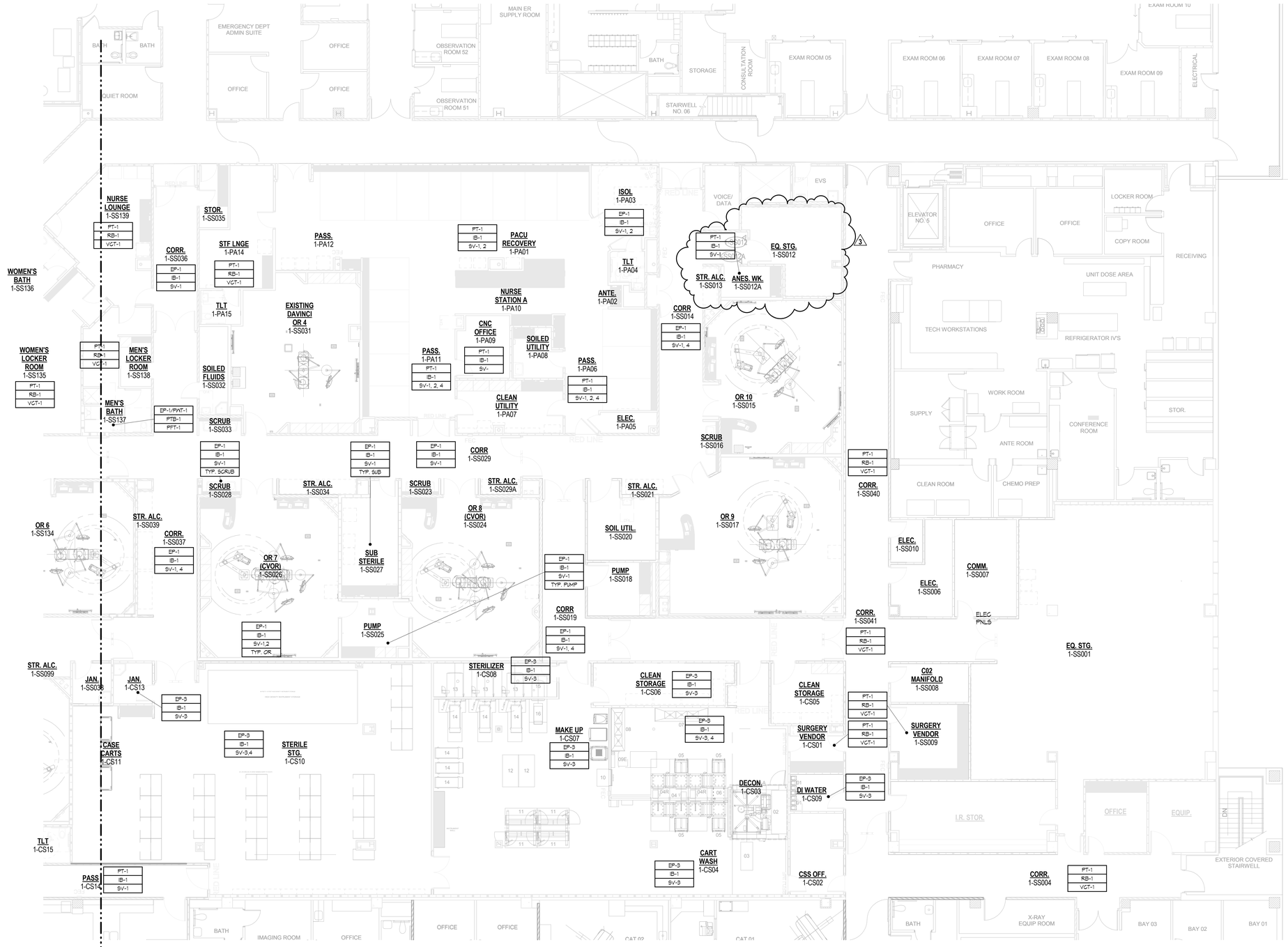
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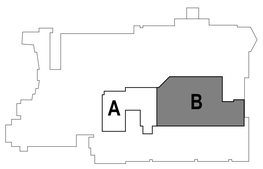
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FIRST FLOOR KEY PLAN

FIRST FLOOR FINISH PLAN - PART B

SCALE: 1/8" = 1'-0"

FINISH SYMBOLS LEGEND

FINISH TAG

- WALL FINISH
- BASE FINISH
- FLOOR FINISH
- FINISH NOTE NUMBER

- WALL FINISH
- BASE FINISH
- FLOOR FINISH

?? EXTENT OF ACCENT FINISH

FLOOR TRANSITION

NOTE: FOR PRODUCT LISTINGS AND GENERAL NOTES SEE SHEET F0.01

SEE ELEVATIONS FOR FINISH PLACEMENT.

FINISH BY SPACE LEGEND

PT-1 RB-1 VCT-1	STORAGE/EQUIPMENT COMMUNICATIONS MULTI PURPOSE CLEAN SUPPLY MEDICATION NOURISHMENT WORK ROOM CO2 MANIFOLD
EP-1 IB-1 SV-1	STAFF TOILET/SINGLE TOILET SOIL HOLD/UTILITY SOILED FLUIDS EVS JANITOR CLEAN UTILITY CLEAN STORAGE
PT-1 RB-1 VCT-1	OFFICES (1-SS209, 1-SS113, 1-SS114, 1-SS115, 1-SS121)
PT-1 RB-1 PCF-1	ELECTRICAL

RSN: *1066039*
Permit #: *2015-1028456-LT*

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THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

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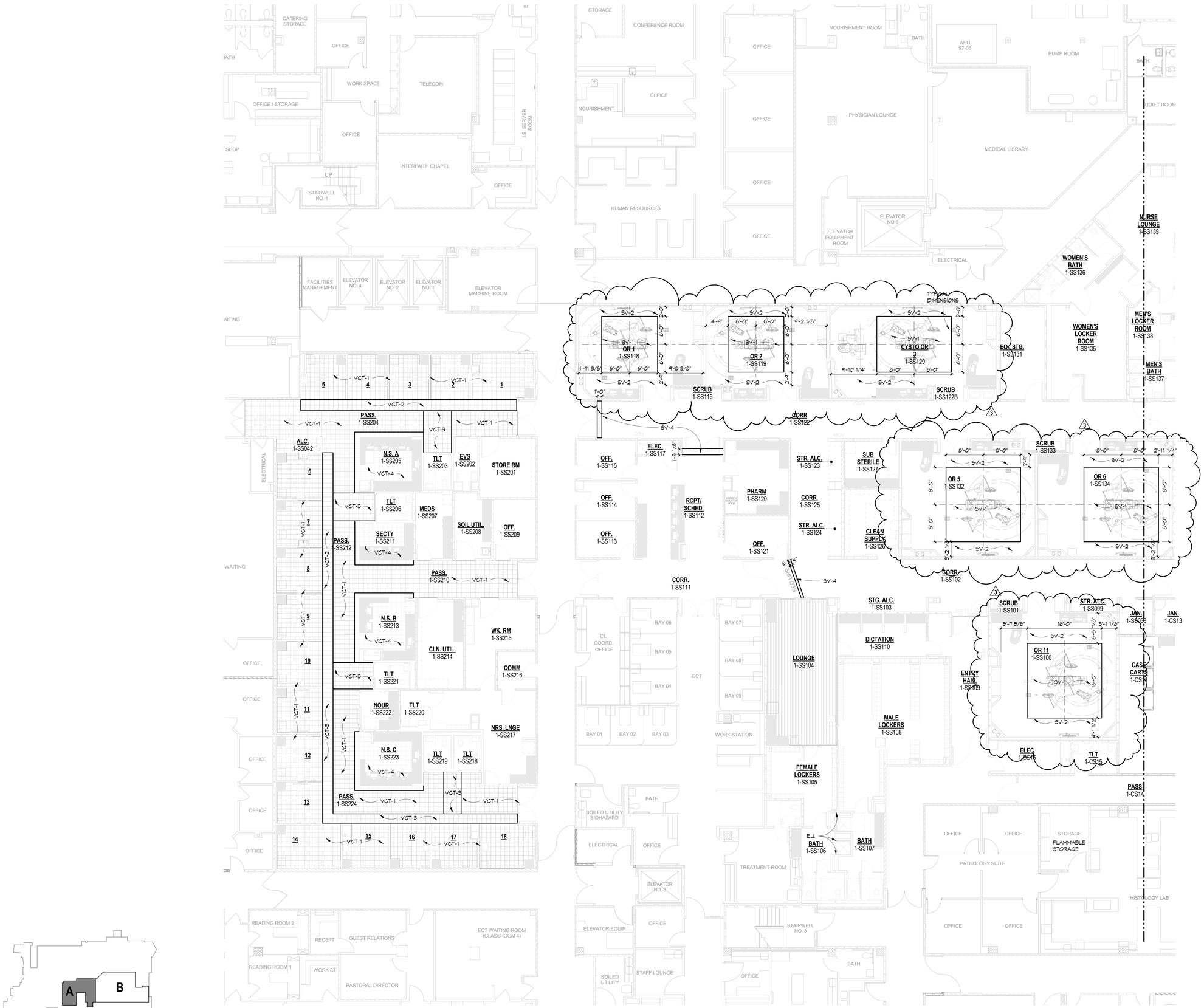
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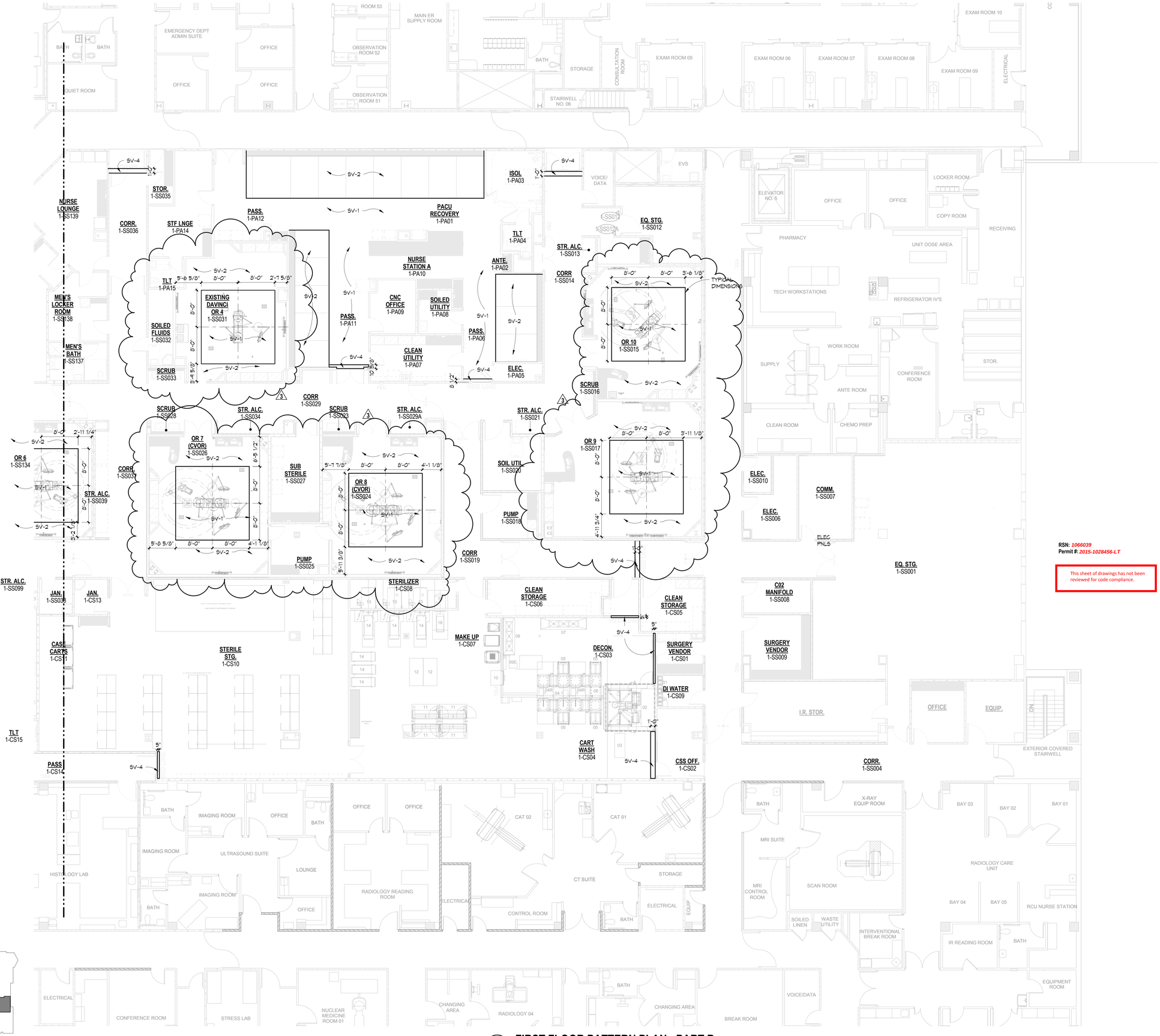
FIRST FLOOR FINISH PLAN PART B

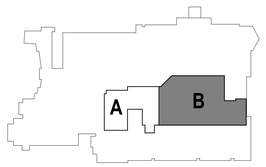
Sheet Number

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CATERING STORAGE
OFFICE
WORK SPACE
TELECOM
OFFICE / STORAGE
OFFICE
INTERFAITH CHAPEL
OFFICE
I.S. SERVER ROOM
STAIRWELL NO. 1
STORAGE
CONFERENCE ROOM
OFFICE
NOURISHMENT
OFFICE
OFFICE
OFFICE
HUMAN RESOURCES
OFFICE
NOURISHMENT ROOM
BATH
AHU 97-06
PUMP ROOM
BATH
QUIET ROOM
PHYSICIAN LOUNGE
MEDICAL LIBRARY
ELEVATOR NO 6
ELEVATOR EQUIPMENT ROOM
ELECTRICAL
FACILITIES MANAGEMENT
ELEVATOR NO. 4
ELEVATOR NO. 2
ELEVATOR NO. 1
ELEVATOR MACHINE ROOM
NURSE LOUNGE 1-SS139
WOMEN'S BATH 1-SS136
WOMEN'S LOCKER ROOM 1-SS135
MEN'S LOCKER ROOM 1-SS138
MEN'S BATH 1-SS137
EQ. STG. 1-SS131
TYPICAL DIMENSIONS
OR 1 1-SS118
OR 2 1-SS119
CYSTO OR 3 1-SS129
SCRUB 1-SS116
SCRUB 1-SS122B
CORR 1-SS122
SCRUB 1-SS133
OR 5 -SS132
OR 6 1-SS134
CORR 1-SS102
SCRUB 1-SS101
STR. ALC. 1-SS099
JAN. 1-SS098
JAN. 1-CS13
OR 11 1-SS100
ENTRY HALL 1-SS109
CASE CARTS 1-CS1
ELEC 1-CS16
TLT 1-CS15
PASS 1-CS14
ELEC. 1-SS117
OFF. 1-SS115
OFF. 1-SS114
OFF. 1-SS113
RCPT/ SCHED. 1-SS112
PHARM 1-SS120
CORR. 1-SS125
STR. ALC. 1-SS124
OFF. 1-SS121
SUB STERILE 1-SS127
CLEAN SUPPLY 1-SS126
CORR. 1-SS111
STG. ALC. 1-SS103
DICTATION 1-SS110
LOUNGE 1-SS104
MALE LOCKERS 1-SS108
FEMALE LOCKERS 1-SS105
E.J. BATH 1-SS106
BATH 1-SS107
PASS. 1-SS204
ALC. 1-SS042
N.S. A 1-SS205
TLT 1-SS203
EVS 1-SS202
STORE RM 1-SS201
TLT 1-SS206
MEDS 1-SS207
SOIL UTIL. 1-SS208
OFF. 1-SS209
PASS. 1-SS212
SECTY 1-SS211
PASS. 1-SS210
N.S. B 1-SS213
WK. RM 1-SS215
CLN. UTIL. 1-SS214
COMM 1-SS216
TLT 1-SS221
NOUR 1-SS222
TLT 1-SS220
NRS. LNGE 1-SS217
N.S. C 1-SS223
TLT 1-SS219
TLT 1-SS218
PASS. 1-SS224
CL. COORD. OFFICE
BAY 06
BAY 05
BAY 08
BAY 04
BAY 09
BAY 01
BAY 02
BAY 03
WORK STATION
ECT
SOILED UTILITY BIOHAZARD
BATH
ELECTRICAL
OFFICE
ELEVATOR NO. 3
ELEVATOR EQUIP
OFFICE
SOILED UTILITY
STAFF LOUNGE
STAIRWELL NO. 3
BATH
OFFICE
TREATMENT ROOM
OFFICE
OFFICE
STORAGE
FLAMMABLE STORAGE
PATHOLOGY SUITE
HISTOLOGY LAB
OFFICE
OFFICE
READING ROOM 2
RECEPT
GUEST RELATIONS
READING ROOM 1
WORK ST
PASTORAL DIRECTOR
ECT WAITING ROOM (CLASSROOM 4)
WAITING
SHOP
AITING
ELECTRICAL
OFFICE
OFFICE
OFFICE





FIRST FLOOR KEY PLAN

FIRST FLOOR PATTERN PLAN - PART B

SCALE: 1/8" = 1'-0"

RSN: 1066039
Permit #: 2015-1028456-LT

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5-12-15
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1501 S POTOMAC ST, AURORA, CO 80012

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Drawing Title

FIRST FLOOR PATTERN PLAN PART B

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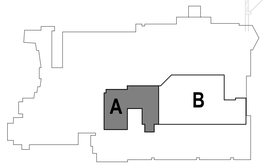
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WALL PROTECTION LEGEND

CR	CRASHRAIL, INPRO CORP, 1600, 6" H, MOUNT AT 36" A.F.F., COLOR TO MATCH IRW-1
CR/CR	CRASHRAIL/CRASHRAIL, INPRO CORP, 1600, 6" H, MOUNT ONE AT 18" A.F.F. AND ONE AT 36" A.F.F., COLOR TO MATCH IRW-1
HR/BG	HANDRAIL/BUMPERGUARD, INPRO CORP, 800/1300, BUMPERGUARD TO MOUNTED AT 10" A.F.F. TO CENTERLINE 1 HANDRAIL: (34'-38') A.F.F. TO TOP OF HANDRAIL, COLOR TO MATCH IRW-1
IRW-1	IMPACT RESISTANT WALL COVERING, INPRO CORP, 0.09 THICKNESS, MOUNTED AT 48" A.F. BASE , COLOR TO MATCH IRW-1
	CORNERGUARD - INPRO CORP, 150BN, 3", MOUNTED AT 48" H A.F. BASE, COLOR TO MATCH IRW-1
FH	CORNERGUARD - INPRO CORP, 150BN, 3", FULL HEIGHT, COLOR TO MATCH IRW-1
	CORNERGUARD - STAINLESS STEEL - 48" HIGH
S	CORNERGUARD - STAINLESS STEEL - FULL HEIGHT

FIRST FLOOR KEY PLAN



FIRST FLOOR FURNITURE & WALL PROTECTION PLAN - PART A

SCALE: 1/8" = 1'-0"

RSN: 1066039
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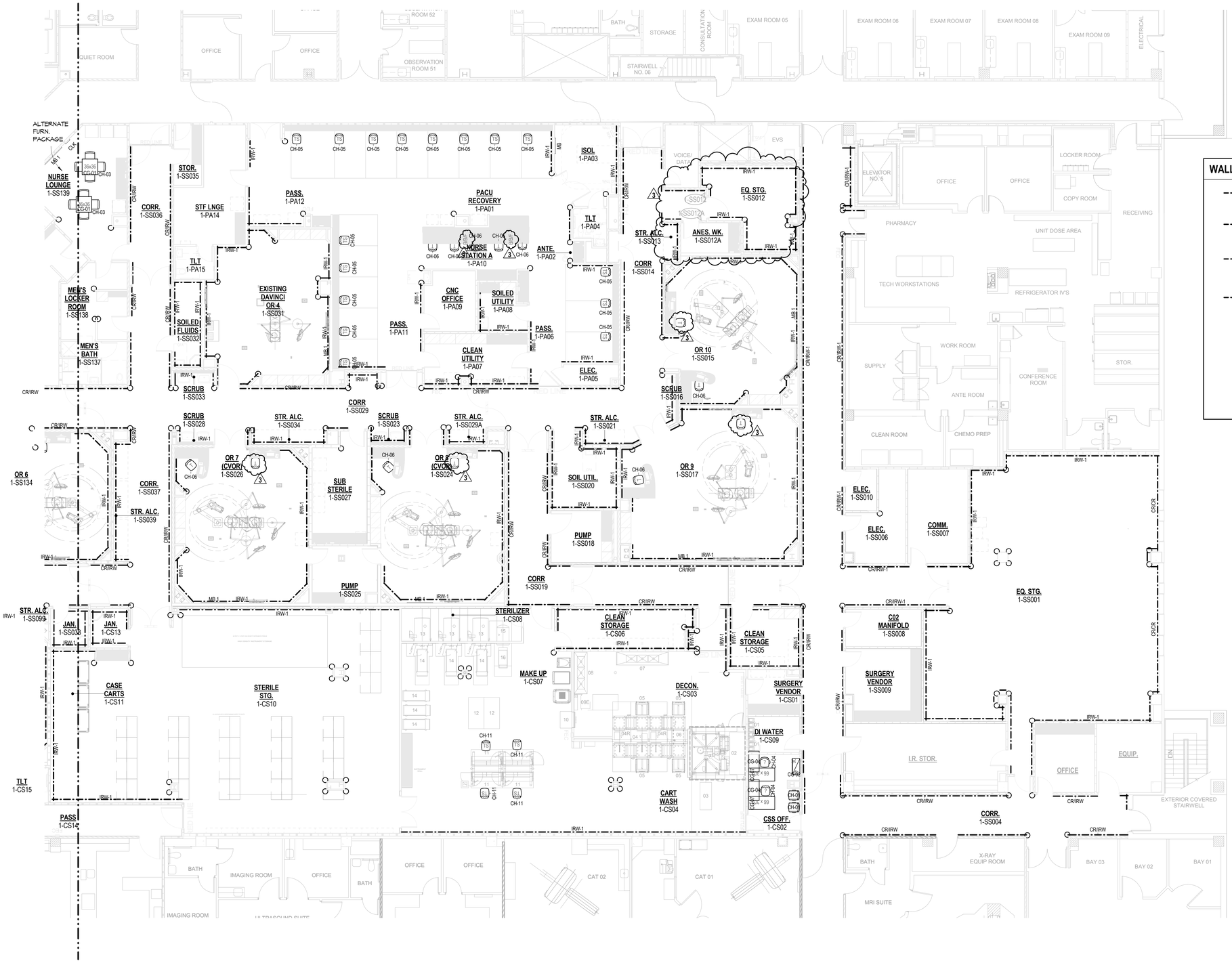
Drawing Title

FIRST FLOOR FURNITURE & WALL PROTECTION PLAN - PART A

Sheet Number

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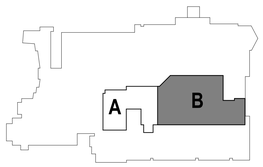


WALL PROTECTION LEGEND

CR	CRASHRAIL, INPRO CORP, 1600, 6" H, MOUNT AT 36" A.F.F., COLOR TO MATCH IRW-1
CR/CR	CRASHRAIL/CRASHRAIL, INPRO CORP, 1600, 6" H, MOUNT ONE AT 18" A.F.F. AND ONE AT 36" A.F.F., COLOR TO MATCH IRW-1
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IRW-1	IMPACT RESISTANT WALL COVERING, INPRO CORP, 0.06 THICKNESS, MOUNTED AT 48" A.F. BASE , COLOR TO MATCH IRW-1
	CORNERGUARD - INPRO CORP, 150SN, 3", MOUNTED AT 48" H A.F. BASE, COLOR TO MATCH IRW-1
FH	CORNERGUARD - INPRO CORP, 150SN, 3", FULL HEIGHT, COLOR TO MATCH IRW-1
	CORNERGUARD - STAINLESS STEEL - 48" HIGH
S	CORNERGUARD - STAINLESS STEEL - FULL HEIGHT

FIRST FLOOR FURNITURE & WALL PROTECTION PLAN - PART B

SCALE: 1/8" = 1'-0"



FIRST FLOOR KEY PLAN

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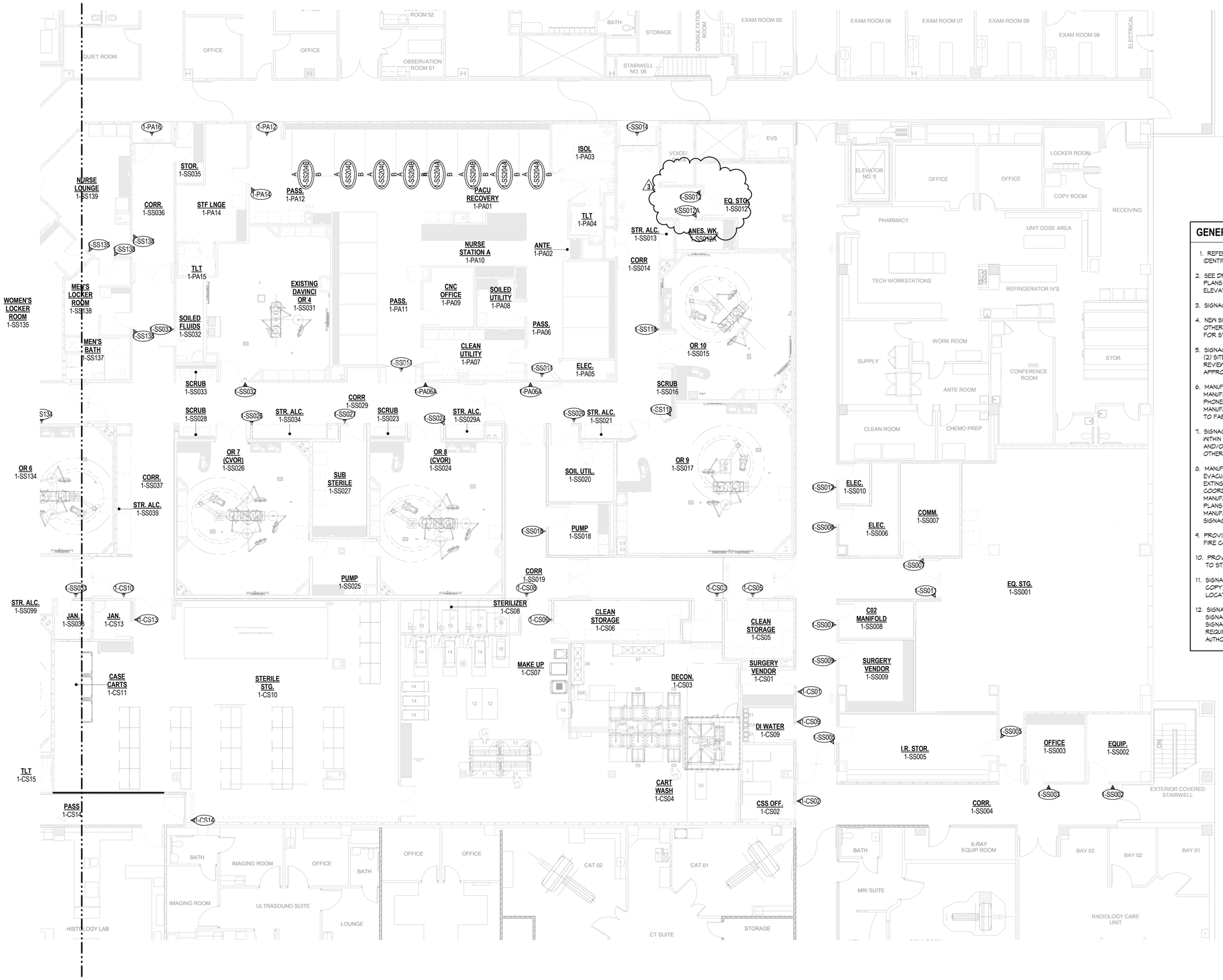
Drawing Title

FIRST FLOOR FURNITURE & WALL PROTECTION PLAN - PART B

Sheet Number

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GENERAL SIGNAGE NOTES

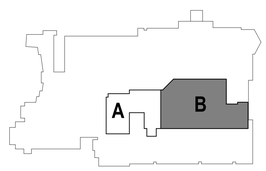
1. REFER TO SPECIFICATION SECTION, "SIGNAGE" AND "EXTERIOR ALUMINUM IDENTIFICATION LETTERS" FOR DESCRIPTIONS OF SIGN TYPES.
2. SEE DRAWINGS FOR TYPICAL SIGN TYPES, SIGN SCHEDULES AND SIGNAGE PLANS FOR SIGNAGE PLACEMENT AND LOCATION. SEE INTERIOR ELEVATIONS FOR SPECIAL SIGNAGE INFORMATION AND REQUIREMENTS.
3. SIGNAGE SHALL BE CONTRACTOR FURNISHED AND VENDOR INSTALLED.
4. NEW SIGNAGE TO MATCH EXISTING HOSPITAL SIGNAGE UNLESS NOTED OTHERWISE. SUBMIT SIGNAGE COLOR CHARTS TO OWNER AND ARCHITECT FOR STYLE AND COLOR SELECTION.
5. SIGNAGE MANUFACTURER SHALL MAKE ALLOWANCES FOR AT LEAST TWO (2) SITE VISITS DURING DESIGN. THIS SHALL INCLUDE RESEARCH, DESIGN, REVIEW, COORDINATION, MISCELLANEOUS COORDINATION AND FINAL APPROVAL OF SIGN COPY, TYPE AND LOCATIONS.
6. MANUFACTURER IS RESPONSIBLE FOR OWNER REQUESTED AND/OR MANUFACTURER RECOMMENDED WARNING SIGNAGE SUCH AS "NO CELL PHONES", "IF YOU ARE PREGNANT", "CT IN USE", "MRI IN USE", ETC. SIGNAGE MANUFACTURER SHALL COORDINATE WARNING SIGNAGE WITH FACILITY PRIOR TO FABRICATION.
7. SIGNAGE MANUFACTURER IS RESPONSIBLE FOR ALL WAYFINDING SIGNAGE WITHIN THE FACILITY. THIS SHALL INCLUDE EXISTING WAYFINDING SIGNAGE AND/OR NEW CONSTRUCTION WAYFINDING SIGNAGE UNLESS DIRECTED OTHERWISE.
8. MANUFACTURER IS RESPONSIBLE FOR PROVIDING EVACUATION SIGNAGE. EVACUATION SIGNAGE PLANS SHALL INCLUDE BUT NOT LIMITED TO THE EXTINGUISHER, FIRE EXTINGUISHER PULLS, ETC. MANUFACTURER TO COORDINATE LOCATION OF EVACUATION PLANS AND OWNER AND ARCHITECT. MANUFACTURER IS RESPONSIBLE FOR AND/OR, PROVIDING NEW EVACUATION PLANS WHERE REQUIRED TO REFLECT NEW CONSTRUCTION. SIGNAGE MANUFACTURER SHALL PROVIDE HANDICAP EVACUATION PLANS AND OTHER SIGNAGE AS INDICATED.
9. PROVIDE SIGNAGE AT INSIDE AND OUTSIDE OF STAIR WELLS AS PER NFPA FIRE CODE REQUIREMENTS.
10. PROVIDE SIGNAGE AT ALL ELEVATORS TO DIRECT BUILDING OCCUPANTS TO STAIRS IN THE EVENT OF A FIRE.
11. SIGNAGE MANUFACTURER TO VERIFY ALL SIGNAGE INCLUDING SIGNAGE COPY, SIZE, TYPE, COLOR AND OTHER SIGNAGE REQUIREMENTS AND LOCATIONS/PLACEMENT WITH OWNER PRIOR TO FABRICATION OF SIGNS.
12. SIGNAGE MANUFACTURER SHALL ENSURE THAT ALL NEW AND EXISTING SIGNAGE (INCLUDING SIGNAGE PLACEMENT, SIZE, TYPE, COLOR AND OTHER SIGNAGE REQUIREMENTS AND BUILDING CONDITIONS) COMPLY WITH OWNER REQUIREMENTS, BUILDING CODES, NFPA FIRE CODES, ADA GUIDELINES, AND AUTHORITIES HAVING JURISDICTION.

RSN: *1066039*
Permit #: *2015-1028456-LT*

This sheet of drawings has not been reviewed for code compliance.

FIRST FLOOR SIGNAGE PLAN - PART B

SCALE: 1/8" = 1'-0"



FIRST FLOOR KEY PLAN

SIGNAGE LEGEND

- WALL-MOUNTED ROOM SIGN. ARROW INDICATES ATTACHMENT TO WALL. SIGN MAY BE DIRECTIONAL OR NON-DIRECTIONAL.
- A / B — CEILING-MOUNTED SIGN. A & B INDICATE DIFFERENT SIDES OF THE SIGN.
- WALL-MOUNTED DIRECTIONAL SIGN. ARROW INDICATES ATTACHMENT TO WALL. SIGN MAY BE DIRECTIONAL OR NON-DIRECTIONAL.

Earl Swensson Associates, Inc.
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Nashville Tennessee 37203
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STATE OF COLORADO
RICHARD L. MILLER
301983
5-12-15
LICENSED ARCHITECT

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
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Drawing Title

FIRST FLOOR SIGNAGE PLAN - PART B

Sheet Number

F4.01B

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SIGNAGE SCHEDULE

SIGN NUMBER	SIGN TYPE	SIGN MESSAGE	SIGN NOTES
1st Floor			
1-GS01	G2	SURGERY VENDOR	
1-GS02	G3	OFFICE	
1-GS03	G2	DECON	
1-GS05	G2	CLEAN STORAGE	
1-GS06	G2	CLEAN STORAGE	
1-GS08	G2	CENTRAL STERILE	
1-GS09	G2	DI WATER	
1-GS10	G2	STERILE STORAGE	
1-GS13	G2	JANITOR CLOSEST	
1-GS14	G2	STAFF EXIT	
1-GS14	J1	STAFF TOILET	
1-GS14A	H1	STAFF ONLY	
1-GS16	G2	ELECTRICAL	
1-PA06A	E8	PACU	
1-PA06A	E8	PACU	
1-PA12	H1A	AUTHORIZED PERSONNEL ONLY	
1-PA14	G2	STAFF LOUNGE	
1-PA16	B2	STERILE AREA	
1-S5002	G2	EQUIPMENT STORAGE	
1-S5003	G3	OFFICE	
1-S5005	G2	I.R. STORAGE	
1-S5005	G2	I.R. STORAGE	
1-S5006	G2	ELECTRICAL	
1-S5007	G2	COMMUNICATIONS	
1-S5007	G2	COMMUNICATIONS	
1-S5009	G2	SURGERY VENDOR	
1-S5011	G2	EQUIPMENT STORAGE	
1-S5012	G2	ELECTRICAL	
1-S5012	G2	STORAGE	
1-S5012A	G2	ANES. WORK	
1-S5013	B2	STERILE AREA	
1-S5014	B2	STERILE AREA	
1-S5014	B2	STERILE AREA	
1-S5015	G2	PUMP ROOM	
1-S5020	G2	SOILED UTILITY	
1-S5024	E8	OR 8	
1-S5026	E8	OR 7	
1-S5027	G2	SUB STERILE	
1-S5032	E8	OR 4	
1-S5033	G2	JANITOR CLOSEST	
1-S5033	F4	SOILED FLUID	
1-S5100	E8	OR 11	
1-S5104	G2	PHYSICAN LOUNGE	
1-S5105	G2	FEMALE LOCKERS	
1-S5105	G2	FEMALE LOCKERS	
1-S5109	B2	TBD	
1-S5110	G2	PHYSICAN DICTATION	
1-S5110	G2	PHYSICAN DICTATION	
1-S5111	H2	STERILE AREA	
1-S5111A	H2	STERILE AREA	
1-S5111A	H2	STERILE AREA	
1-S5113	G3	OFFICE	
1-S5114	G3	OFFICE	
1-S5114	G3	OFFICE	
1-S5115	G3	OFFICE	QTY. 2
1-S5115	G3	OFFICE	QTY. 2
1-S5118	E8	OR 1	
1-S5118	E8	OR 1	
1-S5118	E8	OR 1	
1-S5119	E8	OR 2	
1-S5120	G3	PHARMACY	
1-S5121	G3	OFFICE	
1-S5121	G3	OFFICE	
1-S5122	H2	STERILE AREA	
1-S5127	G2	SUB STERILE	
1-S5129	E8	OR 3	
1-S5131	G2	EQUIPMENT STORAGE	
1-S5132	E8	OR 5	
1-S5134	E8	OR 6	
1-S5135	G2	FEMALE LOCKER ROOM	
1-S5135	G2	FEMALE LOCKER ROOM	
1-S5136	G2	MALE LOCKER ROOM	
1-S5136	G2	NURSE LOUNGE	
1-S5136	G2	MALE LOCKER ROOM	
1-S5201	G2	STORAGE	
1-S5202	G2	EVS	
1-S5203	J2	RESTROOM	
1-S5204	H1A	AUTHORIZED PERSONNEL ONLY	
1-S5204A	CM66	2	DOUBLE SIDED
1-S5204A	CM66	2	DOUBLE SIDED
1-S5204A	CM66	2	DOUBLE SIDED
1-S5204A	CM66	2	DOUBLE SIDED
1-S5204B	CM66	2	DOUBLE SIDED
1-S5204B	CM66	2	DOUBLE SIDED
1-S5204B	CM66	2	DOUBLE SIDED
1-S5204C	CM66	3	DOUBLE SIDED
1-S5204C	CM66	3	DOUBLE SIDED
1-S5204D	CM66	4	DOUBLE SIDED
1-S5204D	CM66	4	DOUBLE SIDED
1-S5204E	CM66	5	DOUBLE SIDED
1-S5204E	CM66	DOUBLE SIDED	
1-S5204E	CM66	5	DOUBLE SIDED
1-S5204F	CM66	6	DOUBLE SIDED
1-S5204G	CM66	7	DOUBLE SIDED
1-S5204H	CM66	9	DOUBLE SIDED
1-S5204I	CM66	9	DOUBLE SIDED
1-S5204J	CM66	10	DOUBLE SIDED
1-S5204K	CM66	11	DOUBLE SIDED
1-S5204L	CM66	12	DOUBLE SIDED
1-S5204M	CM66	13	DOUBLE SIDED
1-S5204N	CM66	14	DOUBLE SIDED
1-S5204O	CM66	15	DOUBLE SIDED
1-S5204P	CM66	16	DOUBLE SIDED
1-S5204Q	CM66	17	DOUBLE SIDED
1-S5204R	CM66	18	DOUBLE SIDED
1-S5206	J2	STAFF RESTROOM	
1-S5207	G2	NOURISHMENT	
1-S5208	F4	SOILED UTILITY	
1-S5209	G3	OFFICE	
1-S5210	H1A	AUTHORIZED PERSONNEL ONLY	
1-S5214	G2	CLEAN UTILITY	
1-S5215	G2	WORK ROOM	
1-S5215	G2	WORK ROOM	
1-S5216	G2	STORAGE	
1-S5216	G2	STORAGE	
1-S5217	G2	STAFF LOUNGE	
1-S5218	J2	RESTROOM	
1-S5219	J2	RESTROOM	
1-S5220	J1	STAFF RESTROOM	
1-S5221	J2	STAFF RESTROOM	
1-S5222	G2	MEDICATION	
1-S5224	H1A	AUTHORIZED PERSONNEL ONLY	

3

RSN: *1066039*
Permit #: *2015-1028456-LT*

This sheet of drawings has not been reviewed for code compliance.

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RICHARD L. MILLER
301983
5-12-15
LICENSED ARCHITECT

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
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SIGNAGE SCHEDULE

Sheet Number

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CONSTANT VOLUME VENTURI VALVE TERMINAL UNIT SCHEDULE

TAG	VV-1-4S	VV-1-4R	VV-1-6S	VV-1-6R	VV-1-12S	VV-1-12R	VV-1-14S	VV-1-14R	VV-1-15S	VV-1-30S*	VV-2-1S	VV-2-1R	VV-2-5S	VV-2-5R	VV-2-8S	VV-2-8R	VV-2-9S	VV-2-9R	VV-2-13S	VV-2-13R	VV-2-15S	VV-2-15R	VV-2-17S	VV-2-17R		
CFM	2,500	2,300	2,500	2,300	2,500	2,300	1,400	3,200	2,000	4,240	2,000	1,800	2,000	1,800	2,500	2,300	2,500	2,300	2,500	2,300	2,500	2,300	2,500	2,300		
MIN. SUPPLY CFM	2,500	2,300	2,500	2,300	2,500	2,300	1,400	3,200	2,000	4,240	2,000	1,800	2,000	1,800	2,500	2,300	2,500	2,300	2,500	2,300	2,500	2,300	2,500	2,300		
MAX. TERMINAL A.P.D. (IN WG)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8		
MAX SOUND POWER LEVEL (NC)	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28		
DUCT RUN-OUT (IN.)	21x12	VENTURI VALVE IN RETURN DUCT. NO HEATING REQUIRED	21x12	VENTURI VALVE IN RETURN DUCT. NO HEATING REQUIRED	21x12	VENTURI VALVE IN RETURN DUCT. NO HEATING REQUIRED	15x12	VENTURI VALVE IN RETURN DUCT. NO HEATING REQUIRED	18x12	22x18	18x12	VENTURI VALVE IN RETURN DUCT. NO HEATING REQUIRED	18x12	VENTURI VALVE IN RETURN DUCT. NO HEATING REQUIRED	21x12	VENTURI VALVE IN RETURN DUCT. NO HEATING REQUIRED	21x12	VENTURI VALVE IN RETURN DUCT. NO HEATING REQUIRED	21x12	VENTURI VALVE IN RETURN DUCT. NO HEATING REQUIRED	21x12	VENTURI VALVE IN RETURN DUCT. NO HEATING REQUIRED	21x12	VENTURI VALVE IN RETURN DUCT. NO HEATING REQUIRED		
REHEAT COIL																										
BTU/HR	81,500		81,500		81,500		45,750		65,250	138,250	65,250		65,250		81,500		81,500		81,500		81,500		81,500			
ENT WTR TEMP (°F)	150		150		150		150		150	150	150		150		150		150		150		150		150			
GPM	6.5		6.5		6.5		3.7		5.2	11.1	5.2		5.2		6.5		6.5		6.5		6.5		6.5			
ROWS	MIN. 2-ROW		MIN. 2-ROW		MIN. 2-ROW		MIN. 2-ROW		MIN. 2-ROW	MIN. 2-ROW	MIN. 2-ROW		MIN. 2-ROW		MIN. 2-ROW		MIN. 2-ROW		MIN. 2-ROW		MIN. 2-ROW		MIN. 2-ROW			
MAX. WTR PD FT	0.53		0.53		0.53		0.53		0.53	0.53	0.53		0.53		0.53		0.53		0.53		0.53		0.53			
EAT DB (°F)	55		55		55		55		55	55	55		55		55		55		55		55		55			
LAT DB (°F)	85		85		85		85		85	85	85		85		85		85		85		85		85			
PIPING RUN-OUT SIZE	1 1/2		1 1/2		1 1/2		3/4		1 1/4	1 1/2	1 1/4		1 1/4		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2			

REMARKS (TYP. ALL):

1. VENTURI VALVES SHALL BE PRESSURE INDEPENDENT SINGLE OR MULTIPLE DUCT TERMINAL UNIT EQUAL TO PHOENIX CONTROLS THERIS OR PRICE MODEL VVA LOW PRESSURE DROP CONSTANT VOLUME ACTUATOR. BACNET INTERFACE, AIRFLOW SENSOR, AND HOT WATER REHEAT COIL ON THE SUPPLY UNITS.
2. DUCT RUNOUT DOES NOT MEAN BOX INLET SIZE. TRANSITION MAY BE REQUIRED.
3. REFER TO VARIABLE/CONSTANT VOLUME TERMINAL BOX SOUND CRITERIA SCHEDULE. BOX MANUFACTURER SHALL PROVIDE UNADJUSTED SOUND POWER LEVEL (PWL) PER OCTAVE AND CALCULATED DISCHARGE/RATIATED NC BASED ON SCHEDULED ATTENUATION VALVES.
4. BOXES THAT DO NOT MEET SCHEDULED SOUND CRITERIA SHALL BE PROVIDED WITH DISCHARGE SOUND ATTENUATOR PER SPECIFICATIONS.
5. COILS SHALL HAVE CAPACITY FOR 20 DEF L.A.T. RISE WITH 150 DEG F ENTERING WATER TEMPERATURE TO ALLOW WARM UP CAPACITY YEAR ROUND.

*= DENOTES TERMPORARY BOX USED FOR PHASING

Only highlighted or clouded revisions are approved on this review. All previous comments apply.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: *Dec 15, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *15-1028456*

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REGISTERED LICENSED 39625 PROFESSIONAL ENGINEER 5/12

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

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HVAC SCHEDULES

Sheet Number

M0.03

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FAN SCHEDULE

FAN NUMBER	IEF--1	EF-2	IEF-3	EF-4	IEF-5	EF-6	EF-7	
SERVICE	ISO. ROOM	GEN EXH	C.S.S. EXH	GEN EXH	CART WASH EXH	GEN EXH	CO2 STORAGE	
TYPE	BVS	UPBLAST	BVS	UPBLAST	BVS	DOWNBLAST	UPBLAST	
CFM	600	955	6,300	1415	1000	1325	250	
SP-IN H2O	1.0	1.5	1.5	1.5	1.0	1.5	1.0	
MAX FAN RPM	1800	2200	1800	2200	1800	2200	2200	
MAX OUTLET VEL/TS	1500/3200	2500/7150	2700/4000	2500/6000	2500/4000	2500/6000	2500/6000	
MODEL	SFB	CUBE-161-XP-7	SFB	CUBE-161XP-10	SFB	G-133-VG	G-097-VG	
MIN MOTOR HP	1/2	3/4	5.0	1.0	1/2	3/4	1/2	
ELECTRICAL	115/1/60	460/3/60	460/3/60	460/3/60	115/1/60	115/1/60	115/1/60	
INLET SCREEN								
OUTLET SCREEN	BIRDSCREEN	BIRDSCREEN	BIRDSCREEN	BIRDSCREEN	BIRDSCREEN	BIRDSCREEN	BIRDSCREEN	
INLET DAMPER-TYPE								
OUTLET DAMPER-TYPE	BACKDRAFT	BACKDRAFT	BACKDRAFT	BACKDRAFT	BACKDRAFT	BACKDRAFT	BACKDRAFT	
OTHER								
POWER TYPE	EMERGENCY	EMERGENCY	EMERGENCY	EMERGENCY	EMERGENCY	EMERGENCY	EMERGENCY	
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	

REMARKS:

1. ALL FANS AND MOTORS ARE TO BE PROVIDED THAT OPERATE AT NO GREATER THAN 80% OF THEIR MAX CAPACITY AT THE OPERATING POINTS SCHEDULED ABOVE.
2. PROVIDE WEATHER PROOF MOTOR, DISCONNECT SWITCH AND HOUSING ON ALL ROOF MOUNTED FANS. ALL BELTED VENT SETS INSTALLED INSIDE A SCREENWALL SHALL BE PROVIDED WITH A DISCHARGE CONE TO EXTEND FAN DISCHARGE TO SAME ELEVATION AS TOP OF THE SCREENWALL.
3. PROVIDE DISCHARGE CONE ON ALL ISOLATION EXHAUST FANS TO DISCHARGE AIR AT 10'-0" ABOVE FINISHED ROOF.

VARIABLE/CONSTANT VOLUME TERMINAL BOX SOUND POWER LEVEL CRITERIA

SCHEDULED NC	32		32		32		30		30		30		28		28		28		25		25		25	
BOX AIRFLOW RANGE	0-300		301-700		>700		0-300		301-700		>700		0-300		301-700		>700		0-300		301-700		>700	
MAX SOUND PWL (DB)	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.
125 HZ	71	67	74	67	77	66	70	66	73	66	76	65	68	64	71	64	74	63	66	62	69	62	72	61
250 HZ	65	62	68	62	71	61	63	60	66	60	69	59	61	58	64	58	67	57	59	56	62	56	65	55
500 HZ	66	57	69	57	72	58	65	56	68	56	71	55	63	54	66	54	69	53	60	51	63	51	66	50
1000 HZ	65	59	68	59	71	57	63	57	66	57	69	55	62	56	65	56	68	55	59	53	62	53	65	52
2000 HZ	67	62	70	62	73	61	64	59	67	59	70	58	63	58	66	58	69	58	60	55	63	55	66	54
4000 HZ	58	66	61	66	64	65	56	64	59	64	62	63	54	62	57	62	60	61	50	58	53	58	56	57
MAX ATTENUATION (DB)	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.	DISCH.	RAD.
125 HZ	22	18	25	18	28	18	22	18	25	18	28	18	22	18	25	18	28	18	22	18	25	18	28	18
250 HZ	22	19	25	19	28	19	22	19	25	19	28	19	22	19	25	19	28	19	22	19	25	19	28	19
500 HZ	29	20	32	20	35	20	29	20	32	20	35	20	29	20	32	20	35	20	29	20	32	20	35	20
1000 HZ	32	26	35	26	38	26	32	26	35	26	38	26	32	26	35	26	38	26	32	26	35	26	38	26
2000 HZ	36	31	39	31	42	31	36	31	39	31	42	31	36	31	39	31	42	31	36	31	39	31	42	31
4000 HZ	28	36	31	36	34	36	28	36	31	36	34	36	28	36	31	36	44	36	28	36	31	36	44	36

NOTES:

1. MAX SOUND PWL (DB) IS THE MAXIMUM UN-ADJUSTED DISCHARGE/RADIATED SOUND LEVEL TO BE PROVIDED BY BOX MANUFACTURER BASED ON INLET STATIC PRESSURE (1.5" UNLESS OTHERWISE NOTED).
2. MAX DISCH. ATTENUATION IS THE MAXIMUM INSERTION LOSS PER OCTAVE BAND FOR USE BY BOX MANUFACTUER TO DETERMINE CALCULATED DISCHARGE NC LEVEL. LOSSES INCLUDE ROOM EFFECTS AND 5' FLEXIBLE DUCT BUT DOES NOT INCLUDE LINER.
3. MAX RAD. ATTENUATION IS THE MAXIMUM INSERTION LOSS PER OCTAVE BAND FOR USE BY BOX MANUFACTUER TO DETERMINE CALCULATED RADIATED NC LEVEL. LOSSES INCLUDE ROOM EFFECT AND SUSPENDED MINERAL FIBER TILE CEILING.
3. A BOX DOES NOT MEET SCHEDULED SOUND CRITERIA IF MANUFACTURER'S SOUND PWL IS EXCEEDED IN ANY OCTAVE BAND.
4. BOX(ES) THAT DOES NOT MEET SCHEDULED SOUND CRITERIA SHALL BE PROVIDED WITH A DISCHARGE SOUND ATTENUATOR TO BE SELECTED IN ACCORDANCE WITH SECTION 15920. CONTRACTOR SHALL MAKE ALLOWANCES FOR ADDITIONAL CLEARANCE REQUIREMENTS WHERE ATTENUATOR IS REQUIRED.

REFRIGERANT MACHINE SCHED

DESIGNATION	ACC-1
TYPE	AIR COOLED
NOMINAL TONS	150
COND TEMP	95
LOW AMBIENT TEMP	-20
CONNECTED LOAD TONS	115
COOLER	
GPM	293
EWT	45
LWT	35
SCALE FACTOR	0.00010
MAX PD FT	15
No. OF COMPRESSORS	4
RLA	5@53
LRA	5@290
UNIT ELECTRICAL	460/3/60
MAX. FUSE	350
WIRE SIZE AMPS	319
POWER TYPE	EMERGENCY
CONDENSER	
No. OF FANS	
FLA	10

REMARKS:

1. AIR COOLED SCROLL TYPE RATED FOR 30% PROPYLENE GLYCOL.
2. PROVIDE HOT GAS BY-PASS.
3. REFER TO SPECIFICATIONS AND DETAILS FOR ACCESSORIES AND PIPING CONNECTIONS.
4. SELECTION BASED ON YORK.
5. PROVIDE MICROPROCESSOR BASED CONTROL WITH BACNET INTERFACE TO BE FULLY INTEGRATED WITH EXISTING BAS.
6. PROVIDE DUAL HIGH HEAD PUMP PACKAGE TO INCLUDE 5HP PUMPS WITH VFDS, AND 136 GALLON BUFFER TANK.
7. UNIT TO BE MOUNTED ON EQUIPMENT RAILS WITH SPRING VIBRATION ISOLATORS.
8. ALL EXPOSED PIPING TO BE HEAT TRACED.

CONDENSATE RETURN UNIT SCHEDULE

DESIGNATION	CRU-1			
SERVICE	C.S.S.			
CAPACITY EDR	8000			
GPM	8			
STEAM PRESS PSI	80			
FLUID TEMPERATURE	200			
RECEIVER SIZE GALLONS	23			
RECEIVER TYPE	CAST IRON			

REMARKS:

1. REFER TO SPECIFICATIONS FOR ACCESSORIES.

2

FILTER SCHEDULE	A. 60% EFFICIENT, 4" THICK CARTRIDGE MERV 11 RATED B. 95% EFFICIENT, 12" THICK CARTRIDGE MERV 15 RATED					
SYSTEM	PF-1	FF-1	PF-1	FF-1	PF-1	FF-1
UNIT DESIGNATION	RTU-1	RTU-1	RTU-2	RTU-2	RTU-3	RTU-3
TYPE	A	B	A	B	A	B
FILTER POSITION	PRE	FINAL	PRE	FINAL	PRE	FINAL
CFM	27,000	27,000	25,500	25,500	5,000	5,000
INITIAL RESISTANCE H2O	0.3	0.9	0.3	0.9	0.3	0.9
FINAL RESISTANCE H2O	0.7	1.5	0.7	1.5	0.7	1.5
MAX. FACE VELOCITY	450	450	450	450	450	450
OTHER						

REMARKS:

1. FILTERS TO MATCH UNIT CASING SIZE.
2. PROVIDE FULLY GASKETED SEALED FRONT LOADING FILTERS.
3. ALL FILTERS TO HAVE GAUGES WITH CLEAN AND DIRTY INDICATORS.

AC UNIT SCHEDULE

UNIT NO.	RTU-1	RTU-2	RTU-3
TYPE	VAV	VAV	CONSTANT
SERVICE	SURGERY	SURGERY	PACU
DESIGN SUPPLY CFM	27,000	25,500	5,000
DESIGN RETURN CFM	17,650	20,000	1,000
OA CFM MIN/MAX	9,000/27,000	5,500/25,500	1,000/5,000
PRESSURE CLASS	MEDIUM	MEDIUM	LOW
ACCESSORIES			
FILTERS	SEE SCHEDULE	SEE SCHEDULE	SEE SCHEDULE
OTHER	SEE REMARKS	SEE REMARKS	SEE REMARKS
SUPPLY FAN CFM	22,000	25,000	5,000
INTERNAL S.P.	4.64	4.71	3.79
EXTERNAL S.P.	4.0	4.0	4.0
TOTAL S.P.	8.0	8.0	7.79
MINIMUM HP	2@30	2@30	1@15
MAX FAN RPM	2400	2400	1800
ELECTRICAL	460/3	460/3	460/3
POWER TYPE	EMERGENCY	EMERGENCY	EMERGENCY
RETURN FAN CFM	17,650	20,000	5,000
TOTAL S.P.	3.5	3.5	3.89
MINIMUM HP	2@10	2@10	2@3
MAX FAN RPM	1800	1800	1800
ELECTRICAL	460/3	460/3	460/3
POWER TYPE	EMERGENCY	EMERGENCY	
COOLING COILS	COOLING	COOLING	COOLING
DEHUMIDIFIED CFM	27,000	26,000	7,000
MAX FACE VELOCITY	450	450	450
EADB	80	80	85
EAWB	67	67	67
LADB	49.2	49	49.96
LAWB	49	48.9	49.71
TOTAL CAP-MBH	1390.7	1348.6	981
SENSIBLE CAP-MBH	899.7	871	742
E.W.T./L.W.T.	42/54	42/54	42/54
GPM	235	225	170
MAX. PD-FT H2O	10	10	10
MIN. ROWS-FINS/INCH	6/10	6/10	6/10
MAX. AIR S.P. IN. H2O	1.0	1.0	1.0
PIPE SIZE (IN.)	4"	4"	4"
COOLING COILS	SUB-COOLING	SUB-COOLING	
DEHUMIDIFIED CFM	27,000	26,000	
MIN. SQ. FT. FACE AREA	---	---	
MAX FACE VELOCITY	450	450	
EADB	55	55	
EAWB	54	54	
LADB	45	44.5	
LAWB	44	44.5	
TOTAL CAP-MBH	402	414.3	
SENSIBLE CAP-MBH	215.3	220.6	
E.W.T./L.W.T.	35/45	35/45	
GPM	85	87	
MAX. PD-FT H2O	10	8.1	
MIN. ROWS-FINS/INCH	8/10	8/10	
MAX. AIR S.P. IN. H2O	0.75"	0.75"	
PIPE SIZE (IN.)	3"	3"	
HEATING COILS	PREHEAT	PREHEAT	PREHEAT
CAPACITY-MBH	1886.1	1845.8	356.7
CFM	27,000	26,000	5,000
MIN. SQ. FT.	---	---	---
MAX. FACE VELOCITY	450	450	450
EADB	20	20	0
LADB	56.2	57.1	55
WATER GPM	145	140	85
E.W.T./L.W.T.	180/155	180/155	180/153
MAX. PD. FT. H2O	10	10	10
ROWS-FINS/INCH	2/10	2/10	2/10
MAX AIR SP-IN H2O	0.25	0.25	0.25
PIPE SIZE (IN.)	3"	3"	2-1/2"
HUMIDIFIER			
CAPACITY LBS/HR	303	292	56
STEAM PSIG	30	30	30
PIPE SIZE (IN.)	2"	2"	1"
UNIT LAT	52	52	55

REMARKS:

1. ALL UNITS TO BE SELECTED WITH INTERNAL STATIC PRESSURE TO INCLUDE DIRTY FILTERS. FANS TO BE SELECTED THAT OPERATE AT NO GREATER THAN 80% OF THEIR MAX CAPACITY WITH DIRTY FILTERS AT THE OPERATING POINTS SCHED. ABOVE. SUBMITTALS TO INCLUDE THE FOLLOWING INFORMATION:
   A. FOR FAN SELECTIONS OVER 12,000 CFM, THE FAN ASSEMBLY SHALL BE PROVIDED WITH A MINIMUM OF 2 FANS AND THE QUANTITY AND MOTOR HORSEPOWER SELECTION SHALL BE SUCH THAT WITH 1 FAN DISABLED THE FAN ASSEMBLY SHALL BE ABLE TO MAINTAIN 70% OF THE TOTAL AIRFLOW.
   B. FANS SHALL OPERATE AT NO GREATER THAN 85% OF THEIR MAX FAN RPM.
2. PROVIDE DIRECT DRIVE PLENUM SUPPLY AND RETURN FANS. PROVIDE TWO (2) VFDS FOR THE EACH SUPPLY AND RETURN FAN SECTION THAT IS SIZED FOR THE OVERALL FAN HORSEPOWER. VFDS TO BE PROVIDED WITHOUT A BYPASS AND SHALL BE WIRED SUCH THAT ONE VFD WILL POWER ALL FANS WITH ONE VFD FOR BACKUP. ALL VFDS TO BE PROVIDED WITH BACNET INTERFACE TO BUILDING AUTOMATION SYSTEM.
3. PROVIDE PLENUM LIGHTS IN FAN SECTIONS AND ALL ACCESS SECTIONS WITH TIMER SWITCH. PREWIRE ALL LIGHTS IN THE FACTORY TO JUNCTION BOXES ON THE EXTERIOR OF THE UNIT FOR FIELD CONNECTIONS. SEAL ALL CASING PENETRATIONS AIR AND MOISTURE TIGHT.
4. PROVIDE MIN. 1 FAN DIAMETER BETWEEN CASING AND FAN INLET.
5. ALL FILTERS TO BE FRONT LOADING FILTERS AND HAVE GAUGES WITH CLEAN AND DIRTY INDICATORS.
6. ALL OUTSIDE AIR INTAKES TO BE 3' MINIMUM ABOVE THE FINISHED ROOF AND 25' AWAY FROM ANY EXHAUST OUTLETS, PLUMBING VENTS, FLUES, COOLING TOWERS, ETC.
7. PROVIDE AIR BLENDER IN ALL RTU'S.
8. SUB COOLING COIL TO BE RATED FOR 30% GLYCOL MIXTURE.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: ***Dec 15, 2015***
2009 INTERNATIONAL CODES & 2014 NEC

RSN: ***1066039***
Permit #: ***15-1028456***

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COLORADO LICENSED
Robert W. Clarke
39625
PROFESSIONAL ENGINEER

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 3	04/30/15

Issue Description	CD
Issue Date	2014-12-30
Project No	14077.00
Drawn By: Author	Checked By: Checker

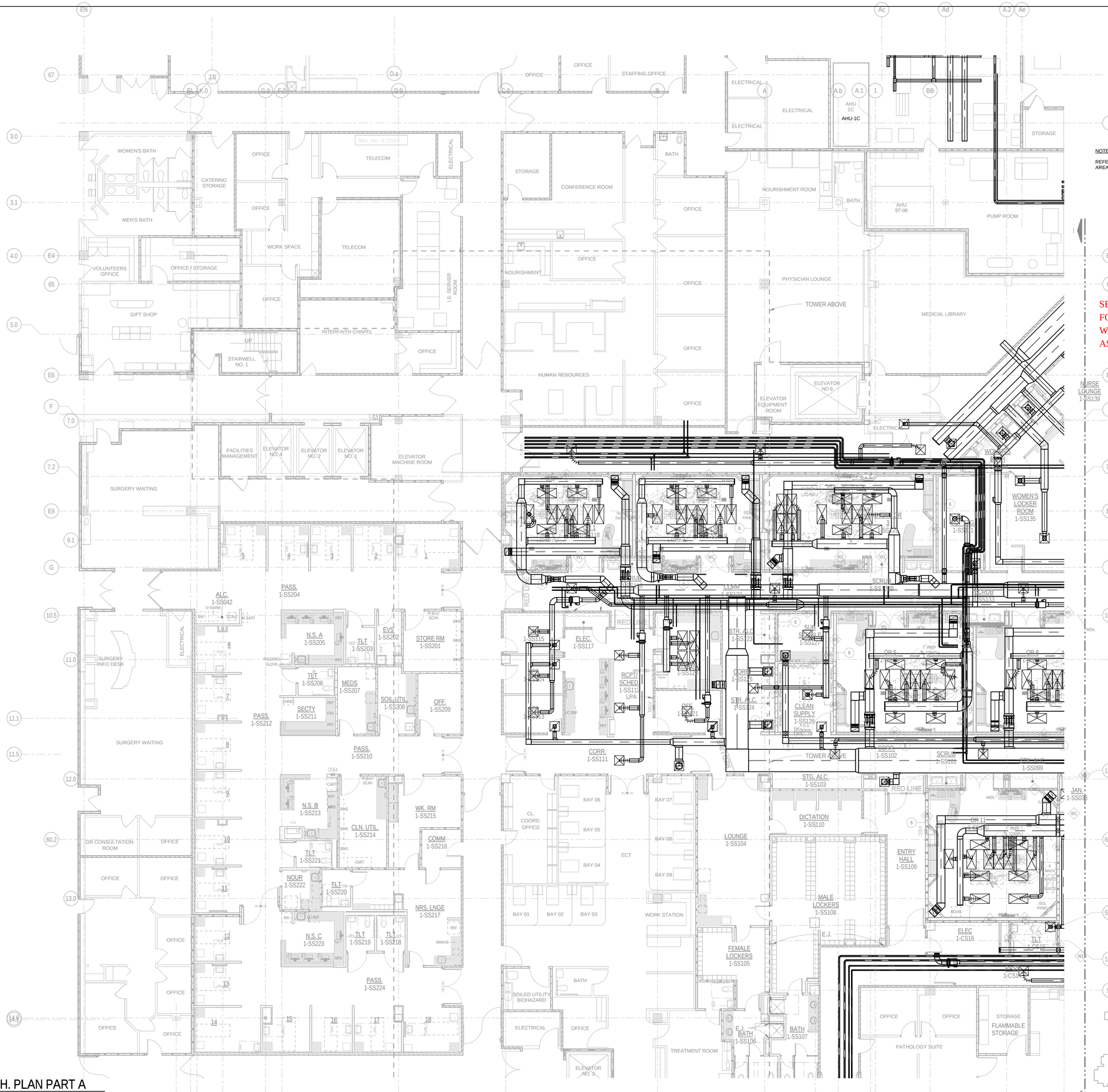
Drawing Title

HVAC SCHEDULES

Sheet Number

M0.04

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1 1ST FLOOR MECH. PLAN PART A
SCALE: 1/8" = 1'-0"

NOTE:

REFER TO PHASING PLANS FOR MORE INFORMATION IN EACH AREA.

SEE ARCHITECTURAL SHEETS FOR LOCATION OF RATED WALLS AND INSTALL DAMPERS AS REQUIRED.

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FIRST FLOOR KEY PLAN

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Seals

COLORADO LICENSED Thomas V. Roche 39625 PROFESSIONAL ENGINEER 5/13/15

THE MEDICAL CENTER OF AURORA RENOVATIONS

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DOCUMENT CHANGES

Description	Date
Revision 3	04/30/15

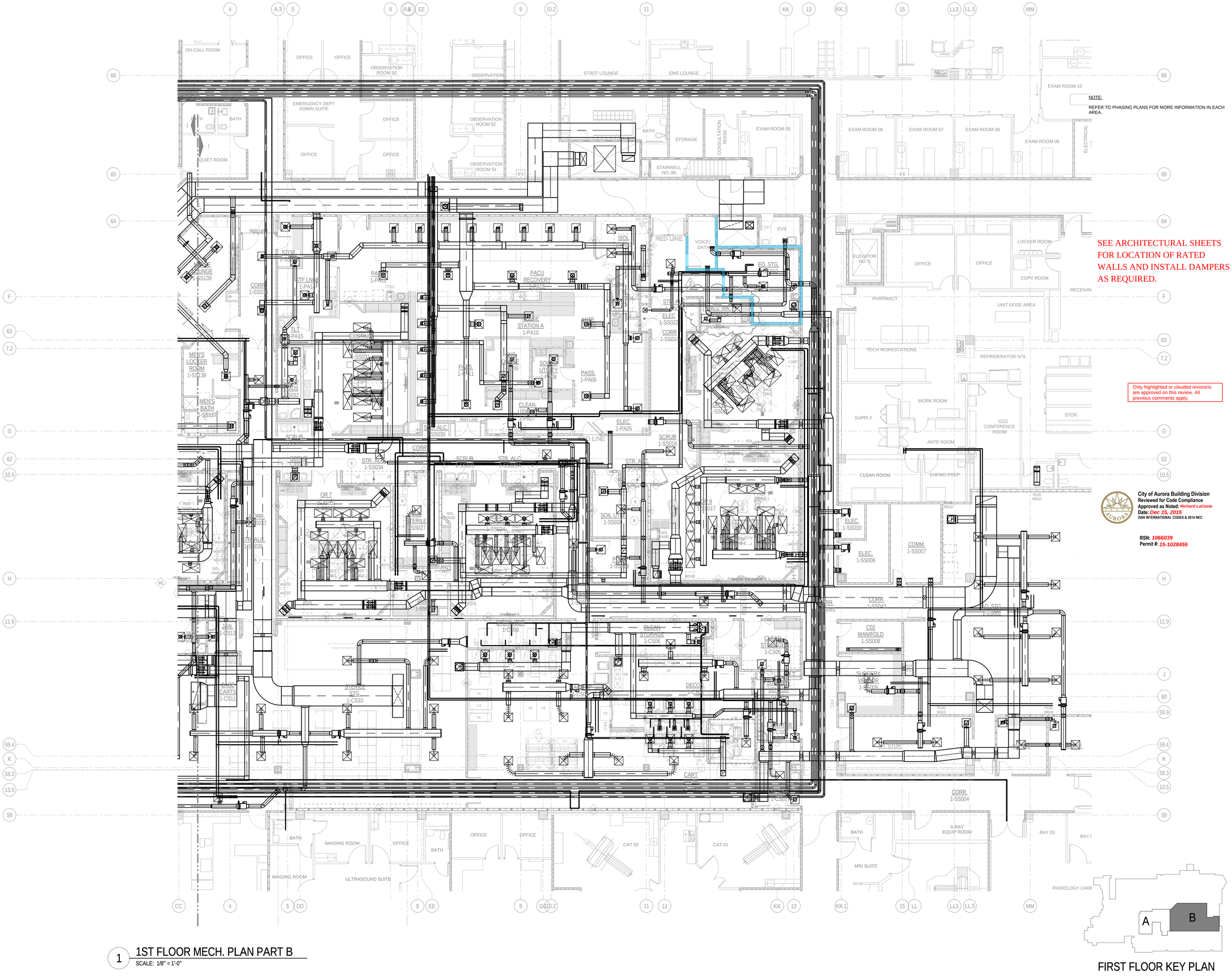
Issue Description	CD
Issue Date	2014-12-30
Project No	14077.00
Drawn By: Author	Checked By: Checker

Drawing Title

FIRST FLOOR MECH. PLAN PART A

Sheet Number
M1.00A

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SEE ARCHITECTURAL SHEETS FOR LOCATION OF RATED WALLS AND INSTALL DAMPERS AS REQUIRED.

NOTE:

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2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *15-1028456*

1 1ST FLOOR MECH. PLAN PART B
SCALE: 1/8" = 1'-0"

FIRST FLOOR KEY PLAN

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1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 3	04/30/15

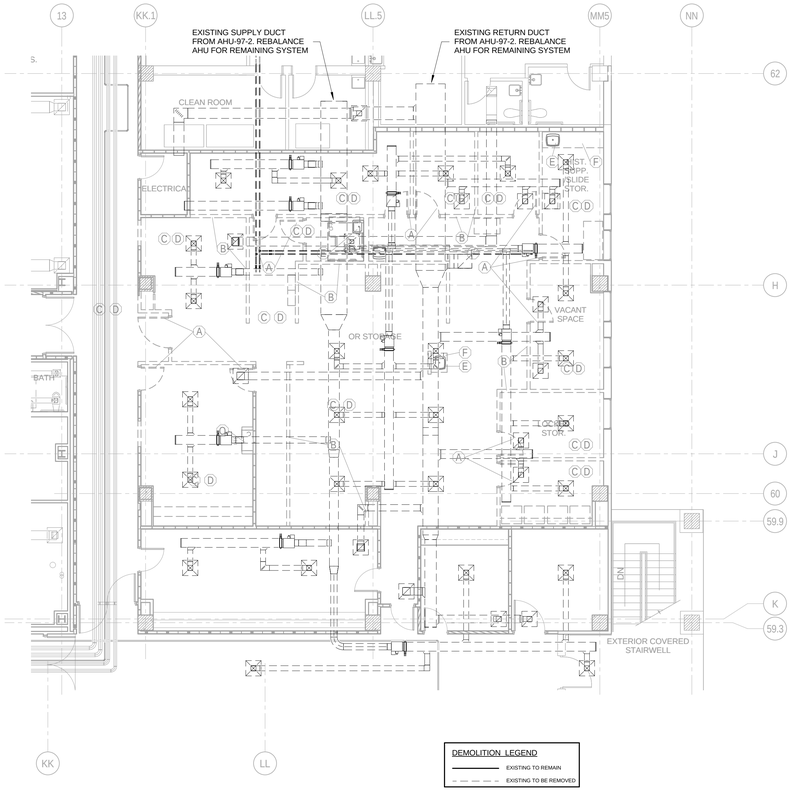
Issue Description	CD
Issue Date	2014-12-30
Project No	14077.00
Drawn By: Author	Checked By: Checker
Drawing Title	

FIRST FLOOR MECH. PLAN PART B

Sheet Number
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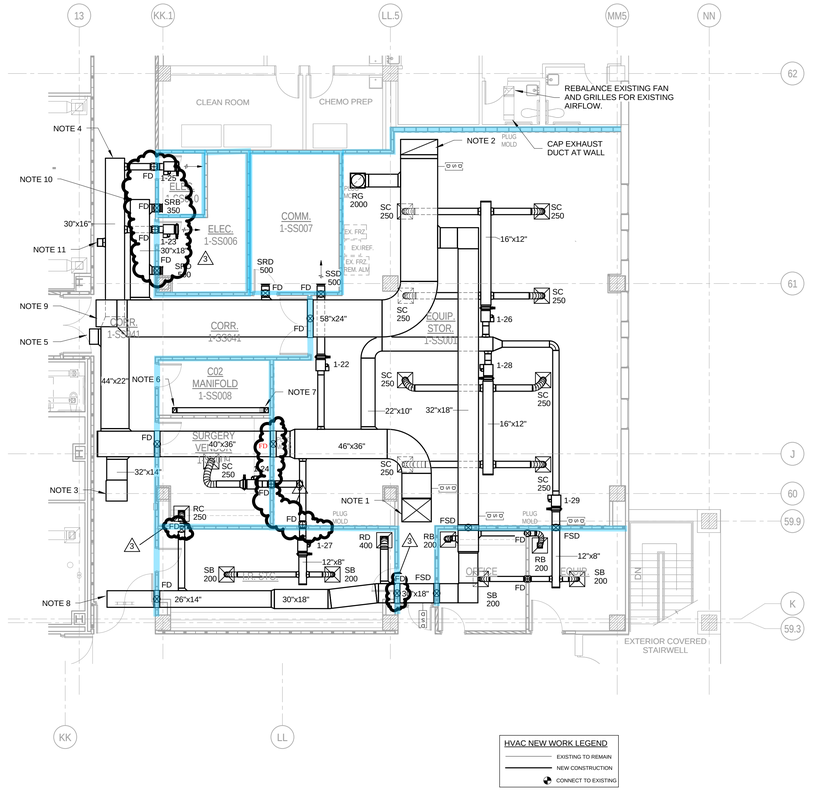
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1 MECH DEMOLITION PLAN - PHASE I

SCALE: 1/8" = 1'-0"



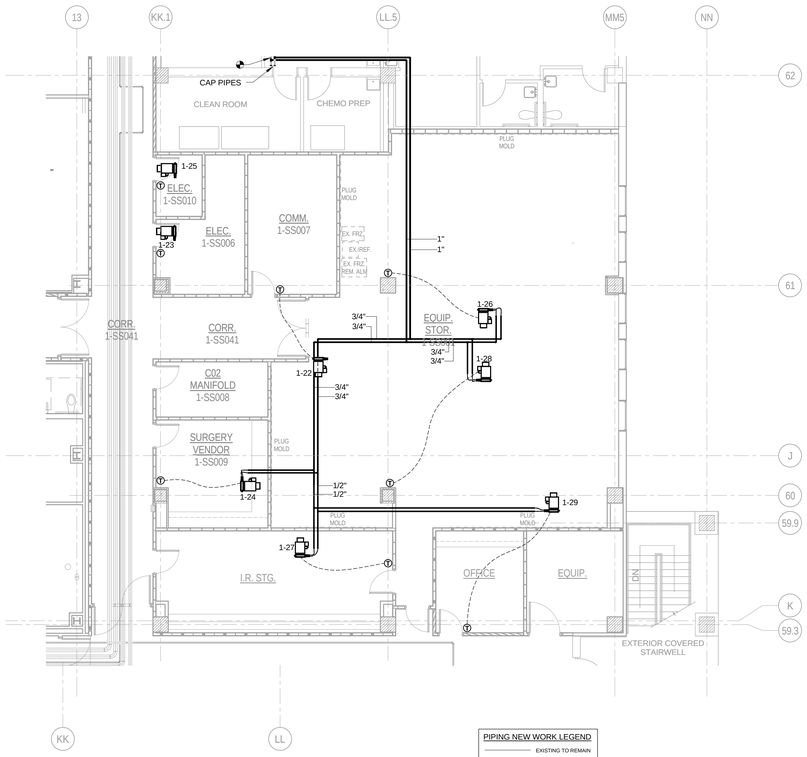
2 HVAC PLAN - PHASE I

SCALE: 1/8" = 1'-0"

HVAC SHEET NOTES:

1. ROUTE 46"x26" SUPPLY DUCT DOWN FROM RTU-1 ON ROOF.
2. ROUTE 58"x24" RETURN DUCT UP TO RTU-1 ON ROOF.
3. STUB-OUT 32"x14" SUPPLY DUCT FOR PHASE V. SEE SHEET M1.05 FOR CONTINUATION.
4. STUB-OUT 30"x16" SUPPLY DUCT FOR PHASE II. SEE SHEET M1.02 FOR CONTINUATION.
5. STUB-OUT 40"x36" SUPPLY DUCT FOR PHASE II. SEE SHEET M1.02 FOR CONTINUATION.
6. ROUTE 12"x6" EXHAUST DUCT UP TO EXHAUST FAN ON ROOF.
7. ROUTE 12"x6" EXHAUST DUCT DOWN TO 8"x6" EXHAUST GRILLE LOCATED 12" BELOW CEILING AND 12" A.F.F.. BALANCE EACH GRILLE FOR 125 CFM.
8. STUB-OUT 26"x14" RETURN DUCT FOR PHASE V. SEE SHEET M1.05 FOR CONTINUATION.
9. STUB-OUT 42"x24" RETURN DUCT FOR PHASE II. SEE SHEET M1.02 FOR CONTINUATION.
10. STUB-OUT 30"x18" RETURN DUCT FOR PHASE II. SEE SHEET M1.02 FOR CONTINUATION.
11. STUB-OUT 14"x12" SUPPLY DUCT FOR PHASE II. SEE SHEET M1.02 FOR CONTINUATION.

SEE ARCHITECTURAL SHEETS FOR LOCATION OF RATED WALLS AND INSTALL DAMPERS AS REQUIRED.



3 PIPING PLAN - PHASE I

SCALE: 1/8" = 1'-0"

PIPING SHEET NOTES:

1. PROVIDE DIFFERENTIAL PRESSURE ALARM SYSTEM EQUAL TO TSI MODEL RPC-30 OUTSIDE EACH ISOLATION ROOM AND AS INDICATED ON THE PLANS. PROVIDE UNIT WITH AUDIO AND VISUAL ALARM PANEL AT EACH ROOM COMPLETE WITH A THRU-THE-WALL PRESSURE SENSOR, DISPLAY MODULE AND TRANSFORMER. PROVIDE BACNET INTERFACE WITH THE EXISTING CONTROL SYSTEM.
2. PROVIDE DIFFERENTIAL PRESSURE ALARM SYSTEM EQUAL TO TSI MODEL RPM-10 OUTSIDE EACH ROOM REQUIRING PRESSURE MONITORING AND AS INDICATED ON THE PLANS. PROVIDE UNIT WITH AUDIO AND VISUAL ALARM PANEL AT EACH ROOM COMPLETE WITH A THRU-THE-WALL PRESSURE SENSOR, DISPLAY MODULE AND TRANSFORMER. PROVIDE BACNET INTERFACE WITH THE EXISTING CONTROL SYSTEM.

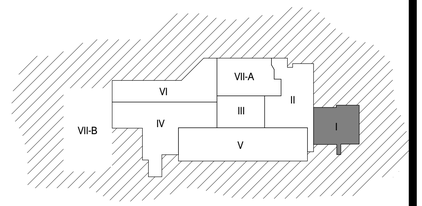
GENERAL PIPING NOTES:

A. PIPING SHOWN ON PLANS SHOWS APPROXIMATE ROUTING. COORDINATE WITH OTHER TRADES PRIOR TO COMMENCEMENT OF WORK. CIRCUIT SETTERS ARE TO BE INSTALLED IN HOT WATER RETURN PIPES. ALL COILS ARE TO BE PIPED SO WATER ENTERS LEAVING AIR SIDE OF COIL.
B. PROVIDE SHUT-OFF VALVES AT ALL BRANCH CONNECTIONS.

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WORKING AREA - PHASED KEY PLAN

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THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 2	02/20/15
Revision 3	04/30/15

Issue Description	CD
Issue Date	2014-12-30
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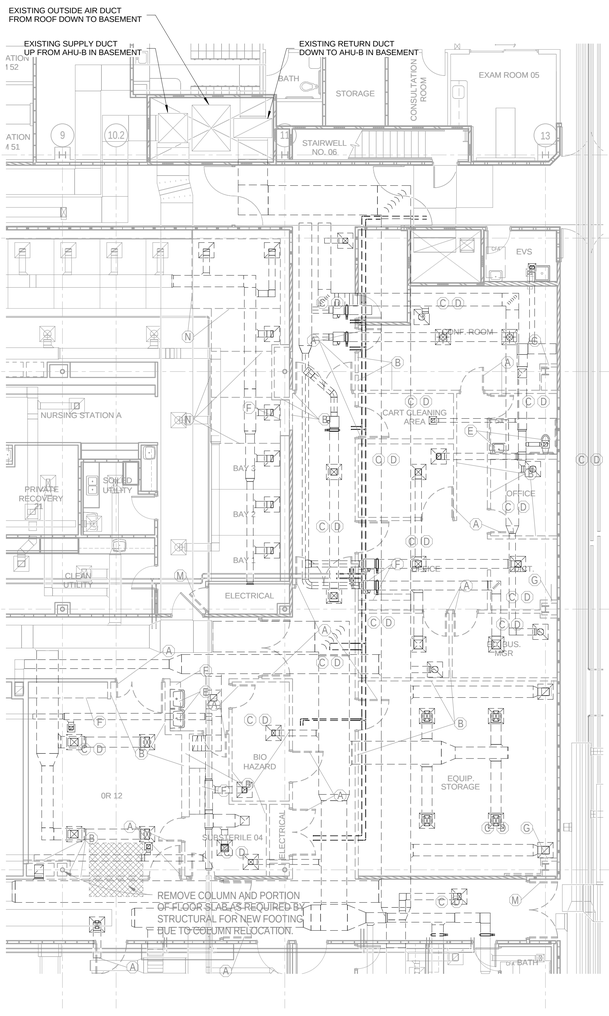
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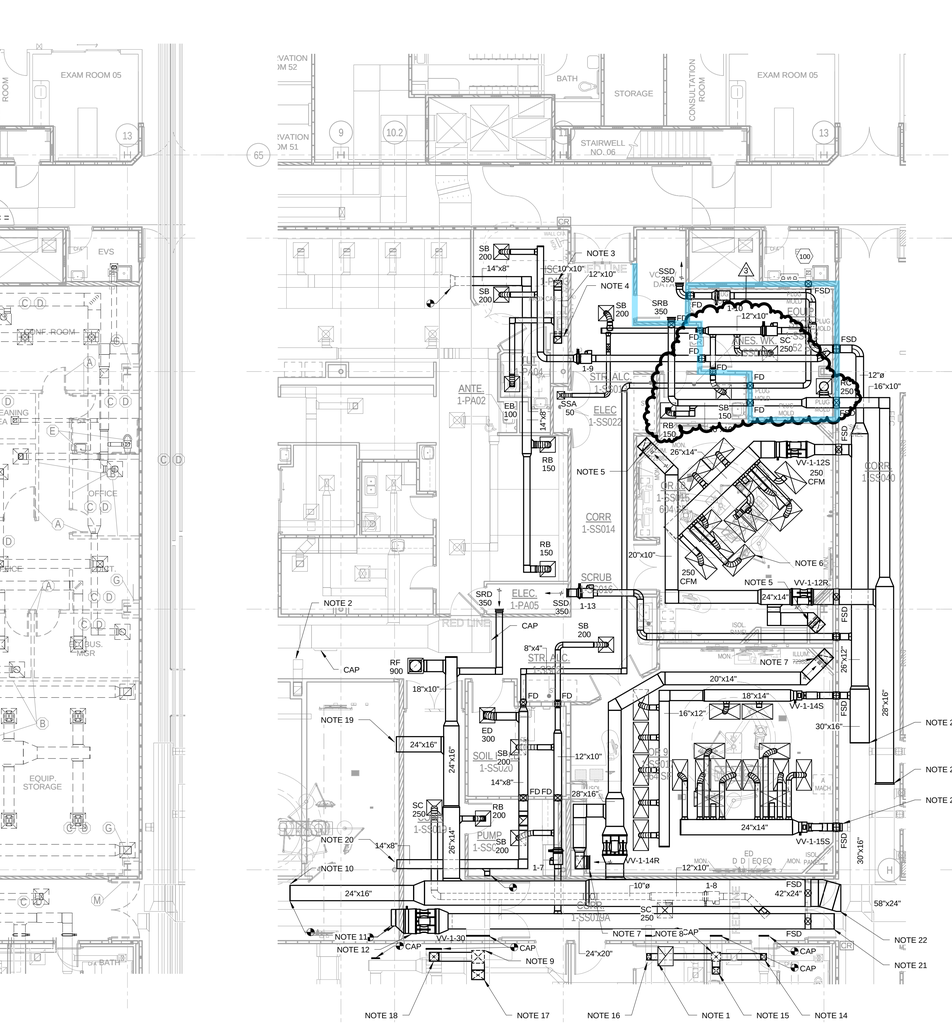
MECHANICAL PHASE I

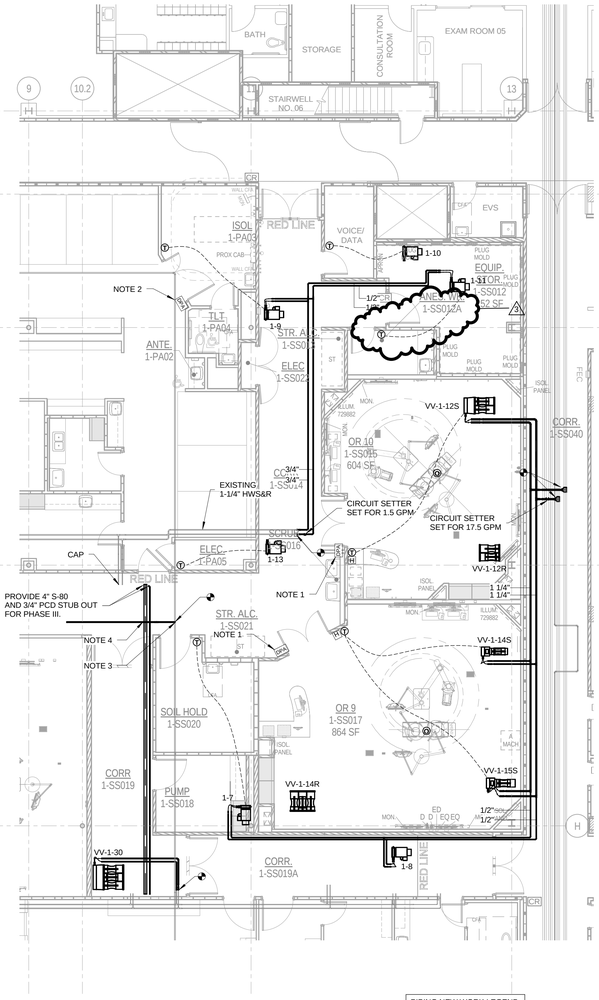
Sheet Number

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1 MECH.DEMOLITION PLAN - PHASE II

SCALE: 1/8" = 1'-0"

DEMOLITION LEGEND

- EXISTING TO REMAIN
- EXISTING TO BE REMOVED

2 HVAC PLAN - PHASE II

SCALE: 1/8" = 1'-0"

HVAC NEW WORK LEGEND

- EXISTING TO REMAIN
- NEW CONSTRUCTION
- CONNECT TO EXISTING

3 PIPING PLAN - PHASE II

SCALE: 1/8" = 1'-0"

PIPING NEW WORK LEGEND

- EXISTING TO REMAIN
- NEW CONSTRUCTION
- CONNECT TO EXISTING

HVAC SHEET NOTES:

1. CONNECT NEW 34"x20" EXHAUST DUCT TO EXISTING 30"x14" RETURN DUCT. BALANCE FOR 2770 CFM. ROUTE NEW 34x20" EXHAUST DUCT UP TO NEW EXHAUST FAN ON ROOF.
2. CAP RETURN DUCT SERVING OR #10 ABOVE CEILING. BALANCE REMAINING LOW WALL RETURN DIFFUSER FOR 1800 CFM.
3. ROUTE 12"x10" EXHAUST DUCT UP TO EXHAUST FAN ON ROOF.
4. ROUTE 12"x10" EXHAUST DUCT DOWN IN CHASE TO 10"x18" EXHAUST GRILLE, TITUS MODEL 33RL, 12" AFF. BALANCE FOR 500 CFM.
5. ROUTE 20"x10" RETURN AIR DUCT DOWN IN CHASE TO 20"x30" RETURN GRILLE, TITUS MODEL 33RL, 12" AFF. BALANCE FOR 1150 CFM.
6. PROVIDE 48"x24" TITUS MODEL TLF LAMINAR FLOW SUPPLY DIFFUSER WITH 10" INLET CONNECTION. BALANCE FOR 200 CFM EXCEPT WHERE NOTED OTHERWISE.
7. ROUTE 20"x14" RETURN AIR DUCT DOWN IN CHASE TO 20"x36" RETURN GRILLE, TITUS MODEL 33RL, 12" AFF. BALANCE FOR 1600 CFM.
8. ROUTE 14"x14" TEMPORARY SUPPLY DUCT DOWN FROM ROOF. PROVIDE TEMPORARY VAV W/ REHEAT. SIZE VAV BOX FOR 1000 CFM. SEE SHEET M0.02 FOR 1-31 BOX SCHEDULE.
9. ROUTE 20"x20" TEMPORARY SUPPLY DUCT DOWN FROM ROOF. PROVIDE TEMPORARY VAV W/ REHEAT. SIZE VAV BOX FOR 2875 CFM. SEE SHEET M0.02 FOR 1-32 BOX SCHEDULE
10. CONNECT NEW 24"x16" RETURN DUCT TO EXISTING 30"X18" RETURN DUCT. BALANCE EXISTING DUCT FOR 4570 CFM. THIS TEMPORARY CONNECTION SHALL BE IN PLACE UNTIL COMMENCEMENT OF PHASE III.
11. CONNECT NEW 24"x18" SUPPLY DUCT TO EXISTING 24"x18" SUPPLY DUCT. TEMPORARY CONNECTION SHALL BE IN PLACE UNTIL COMMENCEMENT OF PHASE III.
12. PROVIDE NEW VENTURI VALVE PRICE MODEL 314 FOR MEDIUM PRESSURE TO LOW PRESSURE. BALANCE VALVE FOR 4990 CFM. TEMPORARY CONNECTION AND VENTURI VALVE SHALL BE IN PLACE UNTIL COMMENCEMENT OF PHASE III.
13. ROUTE 14"x14" EXHAUST DUCT UP TO EXHAUST FAN ON ROOF.
14. CONNECT TEMPORARY 10"x8" SUPPLY DUCT TO EXISTING ABOVE CEILING. BALANCE FOR 330 CFM.
15. CONNECT TEMPORARY 12"x10" SUPPLY DUCT TO EXISTING ABOVE CEILING. BALANCE FOR 500 CFM.
16. CONNECT TEMPORARY 10"x6" SUPPLY DUCT TO EXISTING ABOVE CEILING. BALANCE FOR 175 CFM.
17. CONNECT TEMPORARY 20"x14" SUPPLY DUCT TO EXISTING ABOVE CEILING. BALANCE FOR 1750 CFM.
18. CONNECT TEMPORARY 14"x14" SUPPLY DUCT TO EXISTING ABOVE CEILING. BALANCE FOR 1125 CFM.
19. STUB OUT 24"x16" SUPPLY DUCT FOR PHASE III. SEE SHEET M1.03 FOR CONTINUATION.
20. STUB OUT 14"x8" EXHAUST DUCT FOR PHASE III. SEE SHEET M1.03 FOR CONTINUATION.
21. CONNECT TO 24"x20" SUPPLY DUCT STUB OUT FROM PHASE I. SEE SHEET M1.01 FOR CONTINUATION.
22. CONNECT TO 42"x24" RETURN DUCT STUB OUT FROM PHASE I. SEE SHEET M1.01 FOR CONTINUATION.
23. CONNECT TO 14"x12" SUPPLY DUCT STUB OUT FROM PHASE I. SEE SHEET M1.01 FOR CONTINUATION.
24. CONNECT TO 30"x18" RETURN DUCT STUB OUT FROM PHASE I. SEE SHEET M1.01 FOR CONTINUATION.
25. CONNECT TO 30"x16" SUPPLY DUCT STUB OUT FROM PHASE I. SEE SHEET M1.01 FOR CONTINUATION

PIPING SHEET NOTES:

1. PROVIDE DIFFERENTIAL PRESSURE ALARM SYSTEM EQUAL TO TSI MODEL RPC-30 OUTSIDE EACH ISOLATION ROOM AND AS INDICATED ON THE PLANS. PROVIDE UNIT WITH AUDIO AND VISUAL ALARM PANEL AT EACH ROOM COMPLETE WITH A THRU-THE-WALL PRESSURE SENSOR, DISPLAY MODULE AND TRANSFORMER. PROVIDE BACNET INTERFACE WITH THE EXISTING CONTROL SYSTEM.
2. PROVIDE DIFFERENTIAL PRESSURE ALARM SYSTEM EQUAL TO TSI MODEL RPM-10 OUTSIDE EACH ROOM REQUIRING PRESSURE MONITORING AND AS INDICATED ON THE PLANS. PROVIDE UNIT WITH AUDIO AND VISUAL ALARM PANEL AT EACH ROOM COMPLETE WITH A THRU-THE-WALL PRESSURE SENSOR, DISPLAY MODULE AND TRANSFORMER. PROVIDE BACNET INTERFACE WITH THE EXISTING CONTROL SYSTEM.
3. CONNECT 1" S-80 TO EXISTING 2" HPS FOR STERILIZER IN SUB STERILE DURING PHASE III.
4. CONNECT 1" S-80 PIPE INTO 4" S-80 PIPE ONCE 4"S-80 PIPE HAS BEEN CONNECTED IN THE MAIN STEAM HEADER IN CENTRAL PLANT. IT IS ANTICIPATED THIS WILL HAPPEN IN PHASE VII, BUT CAN BE CHANGED AS NEEDED.

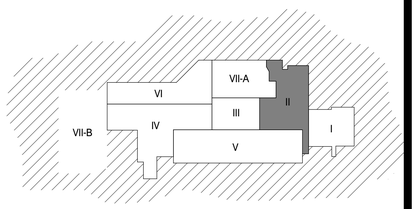
GENERAL PIPING NOTES:

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B. PROVIDE SHUT-OFF VALVES AT ALL BRANCH CONNECTIONS.

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Date: *Dec 15, 2015*
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RSN: *1066039*
Permit #: *15-1028456*



WORKING AREA - PHASED KEY PLAN

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ICT Project No. 140389

Seals



THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15
Revision 2	02/20/15
Revision 3	04/30/15

Issue Description	CD
Issue Date	2014-12-30
Project No	14077.00
Drawn By: Author	Checked By: Checker

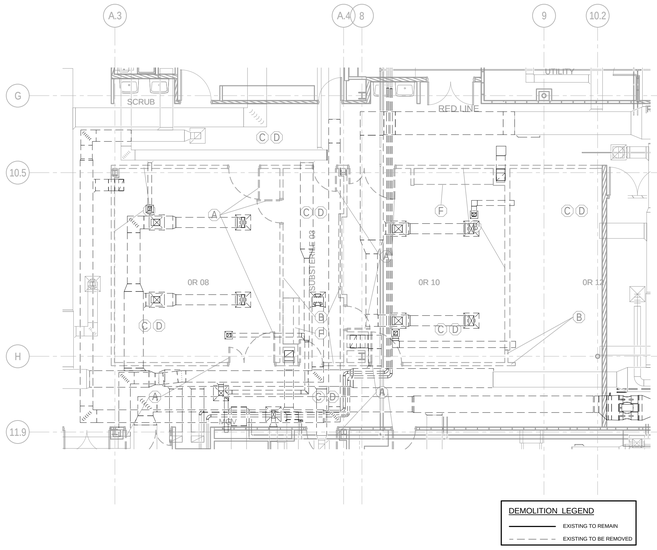
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MECHANICAL PHASE II

Sheet Number

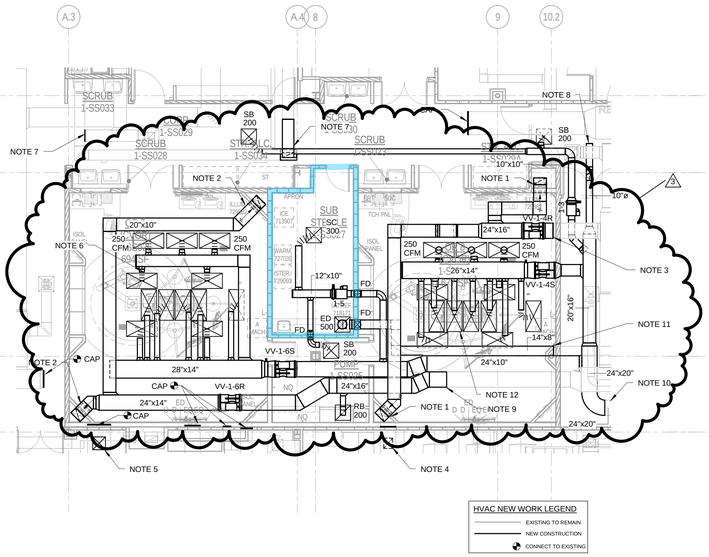
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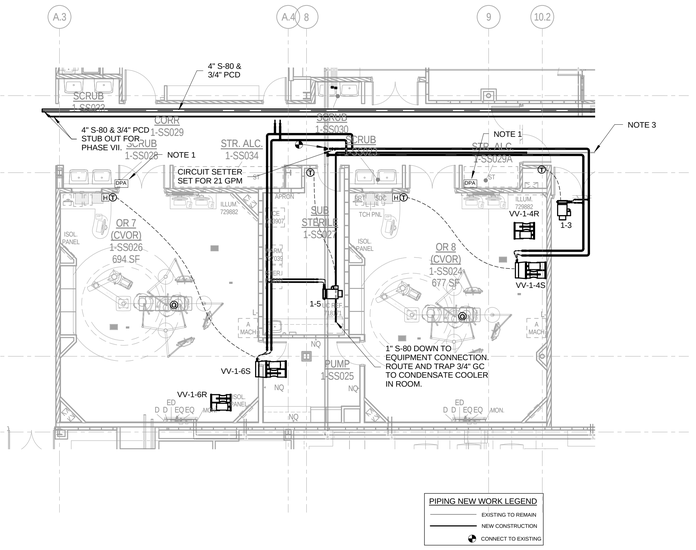
1 MECH.DEMOLITION PLAN - PHASE III

SCALE: 1/8" = 1'-0"



2 HVAC PLAN - PHASE III

SCALE: 1/8" = 1'-0"



3 PIPING PLAN - PHASE III

SCALE: 1/8" = 1'-0"

HVAC SHEET NOTES:

1. ROUTE 20"x10" RETURN AIR DUCT DOWN IN CHASE TO 20"x30" RETURN GRILLE, TITUS MODEL 33RL, 12" AFF. BALANCE FOR 1150 CFM.
2. ROUTE 20"x10" RETURN AIR DUCT DOWN IN CHASE TO 20"x36" RETURN GRILLE, TITUS MODEL 33RL, 12" AFF. BALANCE FOR 1150 CFM.
3. CONNECT TO 24"x16" RETURN DUCT STUB OUT FROM PHASE II. SEE SHEET M1.02 FOR CONTINUATION.
4. ROUTE 16"x14" TEMPORARY SUPPLY DUCT FROM ROOF DOWN TO EXISTING SUPPLY DUCT. PROVIDE TEMPORARY VAV W/ REHEAT. SIZE VAV BOX FOR 1250 CFM. SEE SHEET M0.02 FOR 1-33 BOX SCHEDULE.
5. ROUTE 20"x20" TEMPORARY SUPPLY DUCT FROM ROOF DOWN TO EXISTING SUPPLY DUCT. PROVIDE TEMPORARY VAV W/ REHEAT. SIZE VAV BOX FOR 2300 CFM. SEE SHEET M0.02 FOR 1-34 BOX SCHEDULE.
6. 12-48"x24" TITUS MODEL TLF LAMINAR FLOW SUPPLY DIFFUSER WITH 10" INLET CONNECTION. BALANCE FOR 200 CFM EXCEPT WHERE NOTED OTHERWISE.
7. CONNECT EXISTING RETURN DUCT FROM OR TO EXISTING STUB-OUT LEFT FROM DEMO'D EXHAUST DUCT. BALANCE RETURN DUCT FOR CURRENT RETURN AIRFLOWS.
8. STUB OUT 10" SUPPLY DUCT FOR PHASE IIA. SEE SHEET M1.07A FOR CONTINUATION.
9. ONCE EXISTING RETURN DUCT IS DEMO'D, CONNECT TO 24"x16" RETURN DUCT FROM PHASE II. SEE SHEET M1.02 FOR CONTINUATION.
10. ONCE TEMPORARY VV-1-30 BOX HAS BEEN REMOVED, CONNECT TO 24"x20" SUPPLY DUCT FROM PHASE II. SEE SHEET M1.02 FOR CONTINUATION.
11. CONNECT TO 14"x8" EXHAUST DUCT STUB OUT FROM PHASE II. SEE SHEET M1.02 FOR CONTINUATION.
12. 12-48"x24" TITUS MODEL TLF LAMINAR FLOW SUPPLY DIFFUSER WITH 10" INLET CONNECTION. BALANCE FOR 200 CFM EXCEPT WHERE NOTED OTHERWISE.

PIPING SHEET NOTES:

1. PROVIDE DIFFERENTIAL PRESSURE ALARM SYSTEM EQUAL TO TSI MODEL RPC-30 OUTSIDE EACH ISOLATION ROOM AND AS INDICATED ON THE PLANS. PROVIDE UNIT WITH AUDIO AND VISUAL ALARM PANEL AT EACH ROOM COMPLETE WITH A THRU-THE-WALL PRESSURE SENSOR, DISPLAY MODULE AND TRANSFORMER. PROVIDE BACNET INTERFACE WITH THE EXISTING CONTROL SYSTEM.
2. PROVIDE DIFFERENTIAL PRESSURE ALARM SYSTEM EQUAL TO TSI MODEL RPM-10 OUTSIDE EACH ROOM REQUIRING PRESSURE MONITORING AND AS INDICATED ON THE PLANS. PROVIDE UNIT WITH AUDIO AND VISUAL ALARM PANEL AT EACH ROOM COMPLETE WITH A THRU-THE-WALL PRESSURE SENSOR, DISPLAY MODULE AND TRANSFORMER. PROVIDE BACNET INTERFACE WITH THE EXISTING CONTROL SYSTEM.
3. 1" S-80 PIPE SHALL REMAIN IN USE UNTIL THE 4" S-80 PIPE IS CONNECTED TO THE MAIN STEAM HEADER IN THE CENTRAL PLANT, AT WHICH TIME THE 1" S-80 PIPE WILL BE CONNECTED IN TO THE 4" S-80 PIPE.

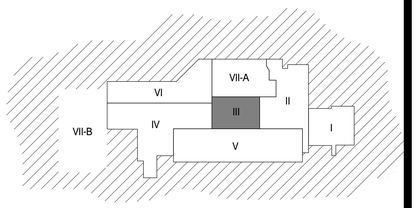
GENERAL PIPING NOTES:

A. PIPING SHOWN ON PLANS SHOWS APPROXIMATE ROUTING. COORDINATE WITH OTHER TRADES PRIOR TO COMMENCEMENT OF WORK. CIRCUIT SETTERS ARE TO BE INSTALLED IN HOT WATER RETURN PIPES. ALL COILS ARE TO BE PIPED SO WATER ENTERS LEAVING AIR SIDE OF COIL.
B. PROVIDE SHUT-OFF VALVES AT ALL BRANCH CONNECTIONS.

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City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: *Dec 15, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

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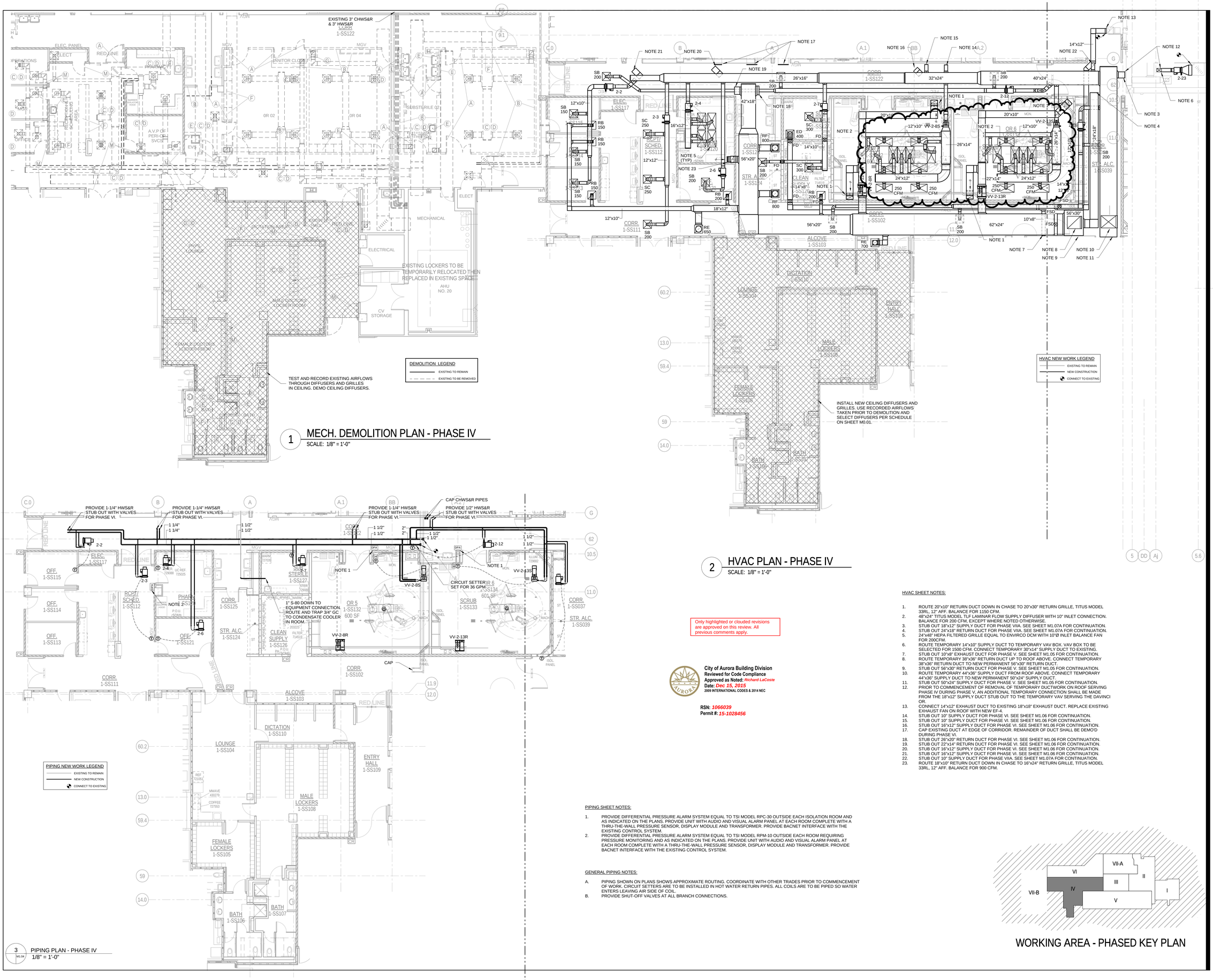
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MECHANICAL PHASE III

Sheet Number

M1.03

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HVAC SHEET NOTES:

1. ROUTE 20"x10" RETURN DUCT DOWN IN CHASE TO 20"x30" RETURN GRILLE, TITUS MODEL 33RL, 12" AFF. BALANCE FOR 1150 CFM.
2. 48"x24" TITUS MODEL TLF LAMINAR FLOW SUPPLY DIFFUSER WITH 10" INLET CONNECTION. BALANCE FOR 200 CFM, EXCEPT WHERE NOTED OTHERWISE.
3. STUB OUT 18"x12" SUPPLY DUCT FOR PHASE VIIA. SEE SHEET M1.07A FOR CONTINUATION.
4. STUB OUT 24"x18" RETURN DUCT FOR PHASE VIIA. SEE SHEET M1.07A FOR CONTINUATION.
5. 24"x48" HEPA FILTERED GRILLE EQUAL TO ENVIRCO DCM WITH 10"Ø INLET BALANCE FAN FOR 200CFM.
6. ROUTE TEMPORARY 14"x10" SUPPLY DUCT TO TEMPORARY VAV BOX. VAV BOX TO BE SELECTED FOR 1500 CFM. CONNECT TEMPORARY 30"x14" SUPPLY DUCT TO EXISTING.
7. STUB OUT 10"x8" EXHAUST DUCT FOR PHASE V. SEE SHEET M1.05 FOR CONTINUATION.
8. ROUTE TEMPORARY 38"x36" RETURN DUCT UP TO ROOF ABOVE. CONNECT TEMPORARY 38"x36" RETURN DUCT TO NEW PERMANENT 56"x30" RETURN DUCT.
9. STUB OUT 56"x30" RETURN DUCT FOR PHASE V. SEE SHEET M1.05 FOR CONTINUATION.
10. ROUTE TEMPORARY 44"x36" SUPPLY DUCT FROM ROOF ABOVE. CONNECT TEMPORARY 44"x36" SUPPLY DUCT TO NEW PERMANENT 50"x24" SUPPLY DUCT.
11. STUB OUT 50"x24" SUPPLY DUCT FOR PHASE V. SEE SHEET M1.05 FOR CONTINUATION.
12. PRIOR TO COMMENCEMENT OF REMOVAL OF TEMPORARY DUCTWORK ON ROOF SERVING PHASE IV DURING PHASE V, AN ADDITIONAL TEMPORARY CONNECTION SHALL BE MADE FROM THE 18"x12" SUPPLY DUCT STUB OUT TO THE TEMPORARY VAV SERVING THE DAVINCI OR.
13. CONNECT 14"x12" EXHAUST DUCT TO EXISTING 18"x18" EXHAUST DUCT. REPLACE EXISTING EXHAUST FAN ON ROOF WITH NEW EF-4.
14. STUB OUT 10" SUPPLY DUCT FOR PHASE VI. SEE SHEET M1.06 FOR CONTINUATION.
15. STUB OUT 10" SUPPLY DUCT FOR PHASE VI. SEE SHEET M1.06 FOR CONTINUATION.
16. STUB OUT 16"x12" SUPPLY DUCT FOR PHASE VI. SEE SHEET M1.06 FOR CONTINUATION.
17. CAP EXISTING DUCT AT EDGE OF CORRIDOR. REMAINDER OF DUCT SHALL BE DEMO'D DURING PHASE VI.
18. STUB OUT 26"x20" RETURN DUCT FOR PHASE VI. SEE SHEET M1.06 FOR CONTINUATION.
19. STUB OUT 22"x14" RETURN DUCT FOR PHASE VI. SEE SHEET M1.06 FOR CONTINUATION.
20. STUB OUT 16"x12" SUPPLY DUCT FOR PHASE VI. SEE SHEET M1.06 FOR CONTINUATION.
21. STUB OUT 16"x12" SUPPLY DUCT FOR PHASE VI. SEE SHEET M1.06 FOR CONTINUATION.
22. STUB OUT 10" SUPPLY DUCT FOR PHASE VIIA. SEE SHEET M1.07A FOR CONTINUATION.
23. ROUTE 18"x10" RETURN DUCT DOWN IN CHASE TO 16"x24" RETURN GRILLE, TITUS MODEL 33RL, 12" AFF. BALANCE FOR 900 CFM.

PIPING SHEET NOTES:

1. PROVIDE DIFFERENTIAL PRESSURE ALARM SYSTEM EQUAL TO TSI MODEL RPC-30 OUTSIDE EACH ISOLATION ROOM AND AS INDICATED ON THE PLANS. PROVIDE UNIT WITH AUDIO AND VISUAL ALARM PANEL AT EACH ROOM COMPLETE WITH A THRU-THE-WALL PRESSURE SENSOR, DISPLAY MODULE AND TRANSFORMER. PROVIDE BACNET INTERFACE WITH THE EXISTING CONTROL SYSTEM.
2. PROVIDE DIFFERENTIAL PRESSURE ALARM SYSTEM EQUAL TO TSI MODEL RPM-10 OUTSIDE EACH ROOM REQUIRING PRESSURE MONITORING AND AS INDICATED ON THE PLANS. PROVIDE UNIT WITH AUDIO AND VISUAL ALARM PANEL AT EACH ROOM COMPLETE WITH A THRU-THE-WALL PRESSURE SENSOR, DISPLAY MODULE AND TRANSFORMER. PROVIDE BACNET INTERFACE WITH THE EXISTING CONTROL SYSTEM.

GENERAL PIPING NOTES:

A. PIPING SHOWN ON PLANS SHOWS APPROXIMATE ROUTING. COORDINATE WITH OTHER TRADES PRIOR TO COMMENCEMENT OF WORK. CIRCUIT SETTERS ARE TO BE INSTALLED IN HOT WATER RETURN PIPES. ALL COILS ARE TO BE PIPED SO WATER ENTERS LEAVING AIR SIDE OF COIL.
B. PROVIDE SHUT-OFF VALVES AT ALL BRANCH CONNECTIONS.

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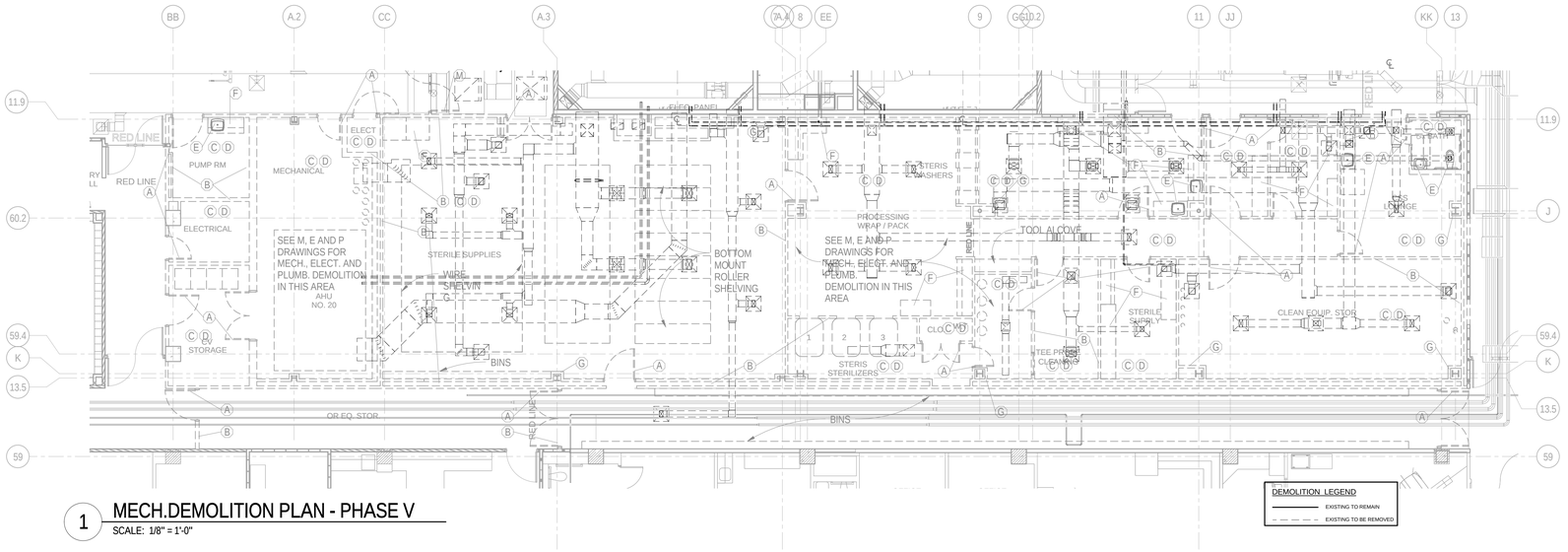
MECHANICAL PHASE IV

Sheet Number

M1.04

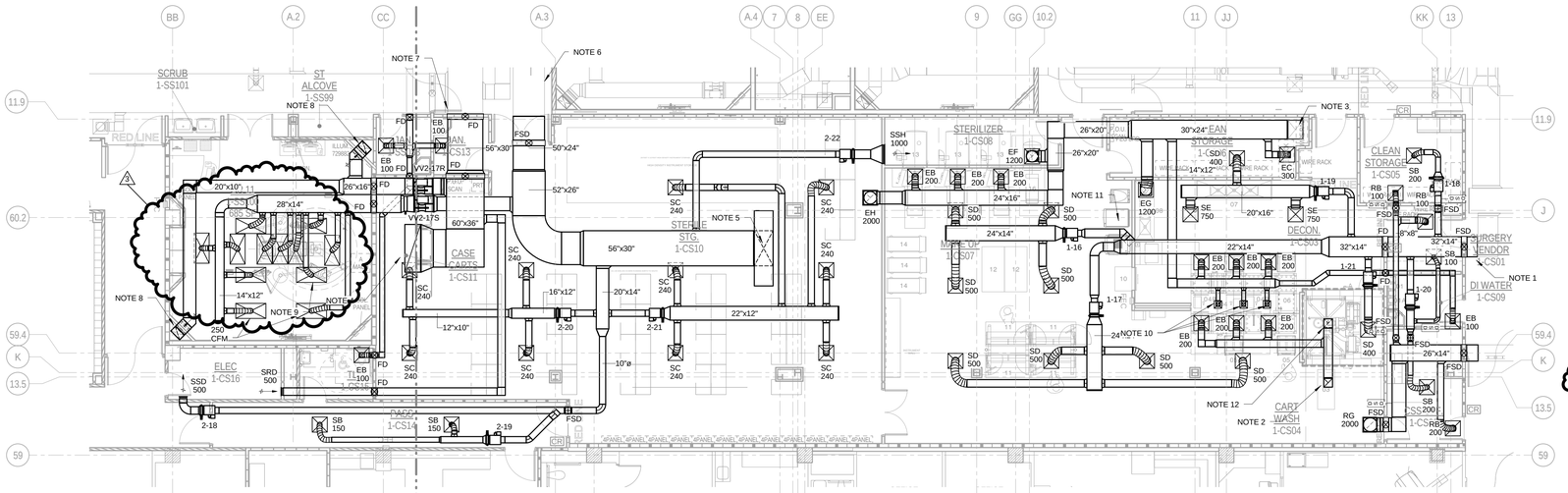
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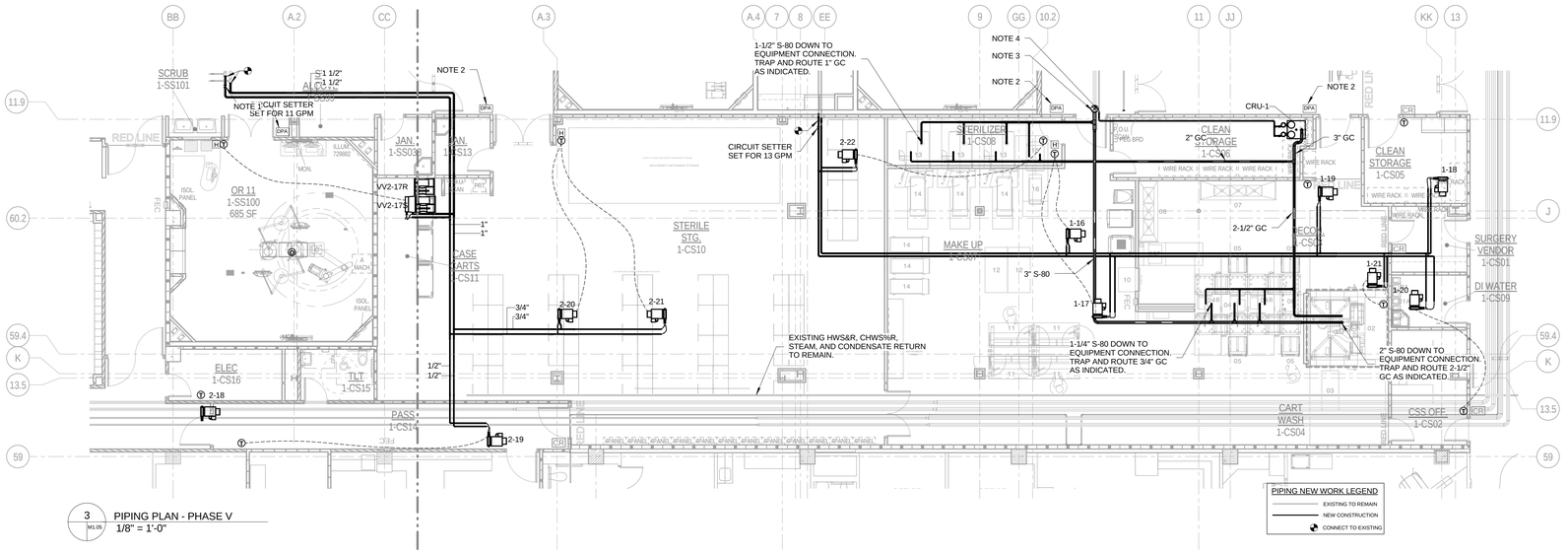
1 MECH.DEMOLITION PLAN - PHASE V

SCALE: 1/8" = 1'-0"



2 HVAC PLAN - PHASE V

SCALE: 1/8" = 1'-0"



3 PIPING PLAN - PHASE V (M1.05)

1/8" = 1'-0"

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HVAC SHEET NOTES:

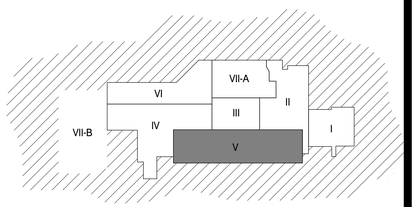
1. CONNECT 32"x14" SUPPLY DUCT TO STUB-OUT IN CORRIDOR FROM PHASE I.
2. ROUTE 14"x14" EXHAUST DUCT UP TO EXHAUST FAN ON ROOF.
3. ROUTE 24"x20" EXHAUST DUCT UP TO EXHAUST FAN ON ROOF.
4. ROUTE 60"x36" RETURN DUCT UP TO RTU-2 ON ROOF.
5. ROUTE 52"x30" SUPPLY DUCT FROM RTU-2 ON ROOF.
6. CONNECT 52"x30" SUPPLY DUCT TO 52"x30" SUPPLY DUCT FROM PHASE IV.
7. CONNECT 42"x20" SUPPLY DUCT TO 36"x20" SUPPLY DUCT FROM PHASE IV.
8. ROUTE 60"x36" RETURN DUCT DOWN IN PHASE TO 20"x20" RETURN OUTLET TITUS MODEL 50RL, 12" LIFF. BALANCE FOR 1150 CFM.
9. 48"x24" TITUS MODEL TLF LAMINAR FLOW SUPPLY DIFFUSER WITH 10" INLET CONNECTION. BALANCE FOR 200 CFM, EXCEPT WHERE NOTED OTHERWISE.
10. 6" DIAMETER STAINLESS STEEL DUCT DOWN TO EQUIPMENT CONNECTION BELOW. BALANCE FOR 100 CFM.
11. 10" DIAMETER DUCT DOWN TO EQUIPMENT CONNECTION BELOW. BALANCE FOR 200 CFM.
12. MOTORIZED DAMPER WITH MEMORY STOP IN DUCT AT CONNECTION TO MAIN. BALANCE FOR 250 CFM AT DAMPER MINIMUM POSITION AND 1,000 CFM AT FULLY OPEN.

PIPING SHEET NOTES:

1. PROVIDE DIFFERENTIAL PRESSURE ALARM SYSTEM EQUAL TO TSI MODEL RPC-30 OUTSIDE EACH ISOLATION ROOM AND AS INDICATED ON THE PLANS. PROVIDE UNIT WITH AUDIO AND VISUAL ALARM PANEL AT EACH ROOM COMPLETE WITH A THRU-THE-WALL PRESSURE SENSOR, DISPLAY MODULE AND TRANSFORMER. PROVIDE BACNET INTERFACE WITH THE EXISTING CONTROL SYSTEM.
2. PROVIDE DIFFERENTIAL PRESSURE ALARM SYSTEM EQUAL TO TSI MODEL RPM-10 OUTSIDE EACH ROOM REQUIRING PRESSURE MONITORING AND AS INDICATED ON THE PLANS. PROVIDE UNIT WITH AUDIO AND VISUAL ALARM PANEL AT EACH ROOM COMPLETE WITH A THRU-THE-WALL PRESSURE SENSOR, DISPLAY MODULE AND TRANSFORMER. PROVIDE BACNET INTERFACE WITH THE EXISTING CONTROL SYSTEM.
3. CONNECT TO 4" S-80 PIPE STUB OUT FROM PHASE II. SEE SHEET M1.02 FOR CONTINUATION.
4. CONNECT TO 3/4" PCD PIPE STUB OUT FROM PHASE II. SEE SHEET M1.02 FOR CONTINUATION.

GENERAL PIPING NOTES:

A. PIPING SHOWN ON PLANS SHOWS APPROXIMATE ROUTING. COORDINATE WITH OTHER TRADES PRIOR TO COMMENCEMENT OF WORK. CIRCUIT SETTERS ARE TO BE INSTALLED IN HOT WATER RETURN PIPES. ALL COILS ARE TO BE PIPED SO WATER ENTERS LEAVING AIR SIDE OF COIL.
B. PROVIDE SHUT-OFF VALVES AT ALL BRANCH CONNECTIONS.



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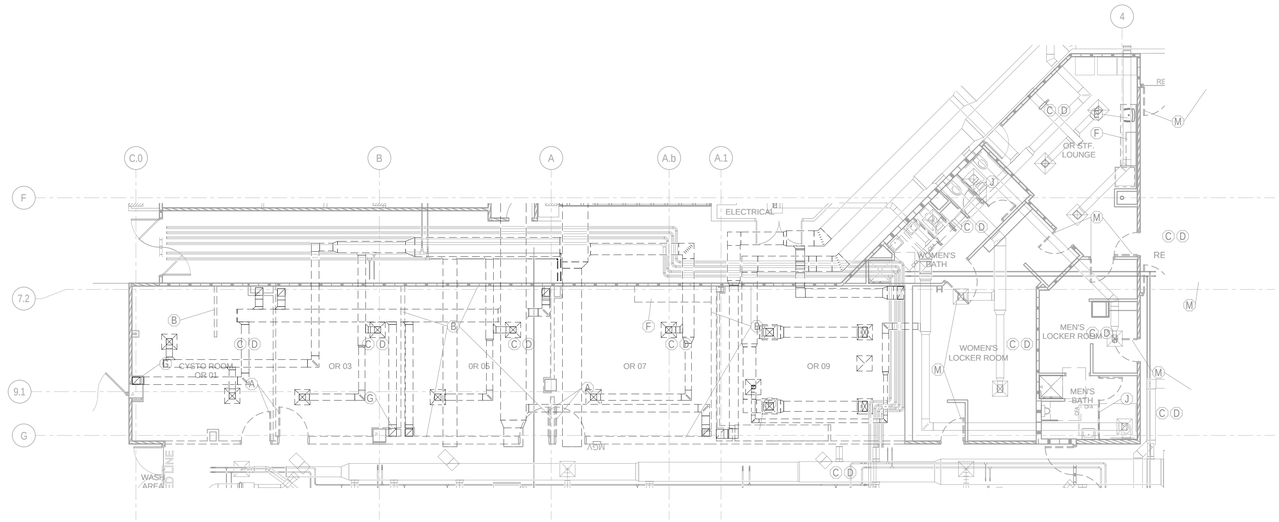
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MECHANICAL PHASE V

Sheet Number

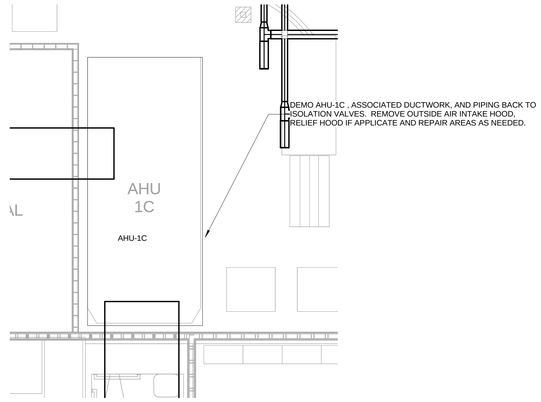
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1 MECH.DEMOLITION PLAN - PHASE VI

SCALE: 1/8" = 1'-0"

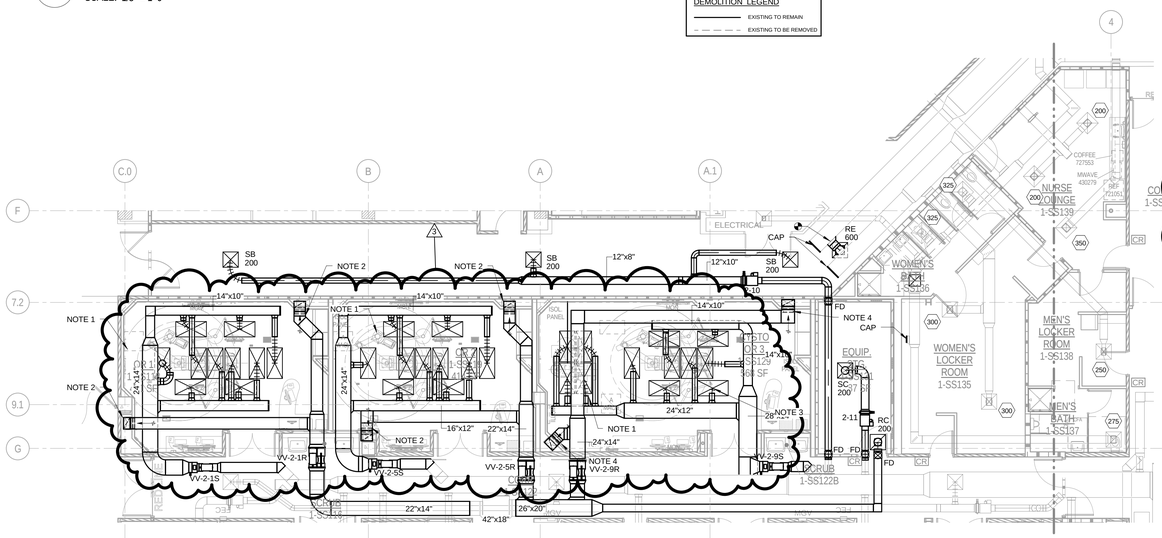


4 MECH. DEMOLITION PLAN - PHASE VI MECH ROOM

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

DEMOLITION LEGEND

- EXISTING TO REMAIN
- EXISTING TO BE REMOVED



2 HVAC PLAN - PHASE VI

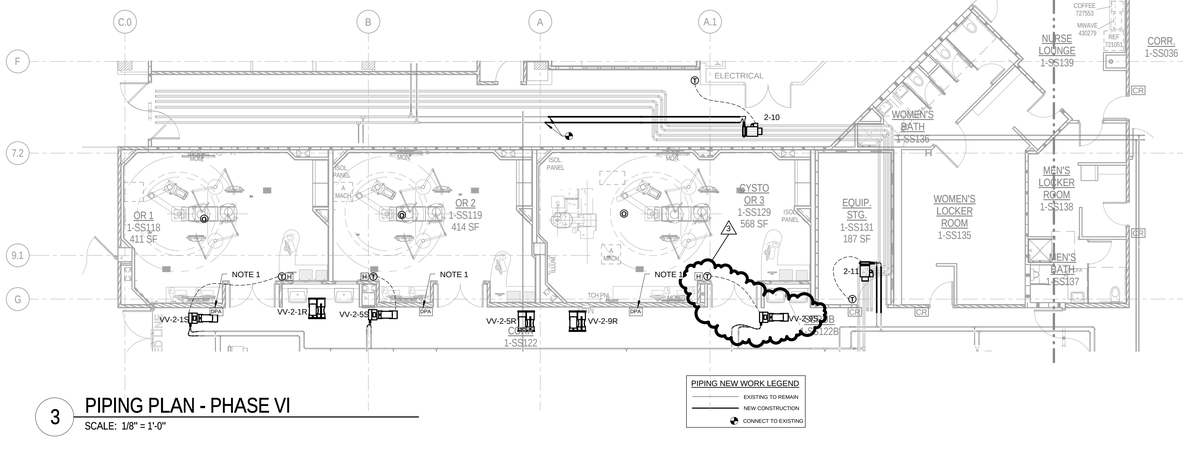
SCALE: 1/8" = 1'-0"

HVAC NEW WORK LEGEND

- EXISTING TO REMAIN
- NEW CONSTRUCTION
- CONNECT TO EXISTING

HVAC SHEET NOTES:

1. 4 - 48"x24" TITUS MODEL TLF LAMINAR FLOW SUPPLY DIFFUSER WITH 10" INLET CONNECTION. BALANCE FOR 225 CFM.
2. ROUTE 18"x10" RETURN DUCT DOWN IN CHASE TO 16"x24" RETURN GRILLE, TITUS MODEL 33RL, 12" AFF. BALANCE FOR 900 CFM.
3. 8- 48"x24" TITUS MODEL TLF LAMINAR FLOW SUPPLY DIFFUSER WITH 10" INLET CONNECTION. BALANCE FOR 200 CFM.
4. ROUTE 20"x10" RETURN DUCT DOWN IN CHASE TO 20"x30" RETURN GRILLE, TITUS MODEL 33RL, 12" AFF. BALANCE FOR 1150 CFM.



3 PIPING PLAN - PHASE VI

SCALE: 1/8" = 1'-0"

PIPING NEW WORK LEGEND

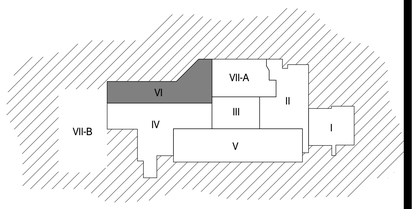
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- NEW CONSTRUCTION
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PIPING SHEET NOTES:

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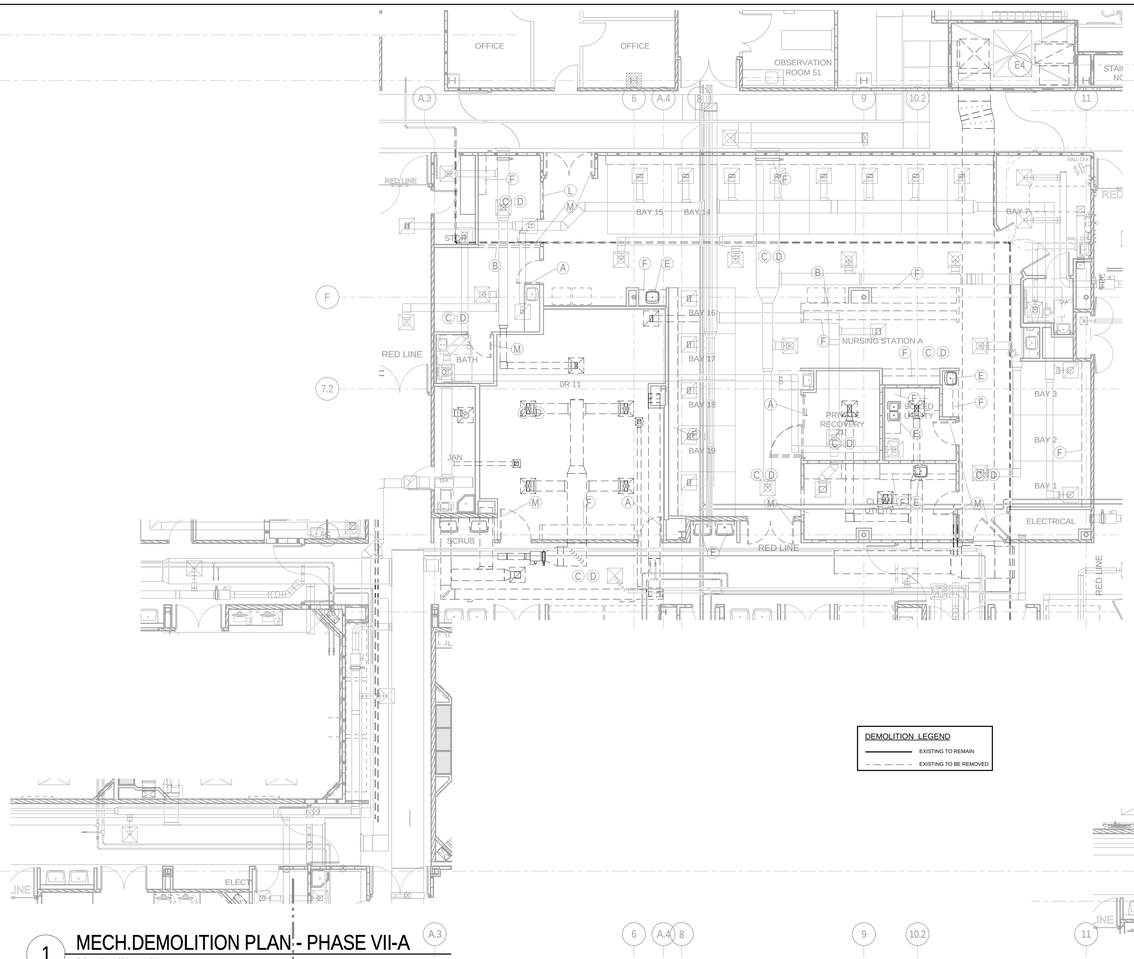
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MECHANICAL PHASE VI

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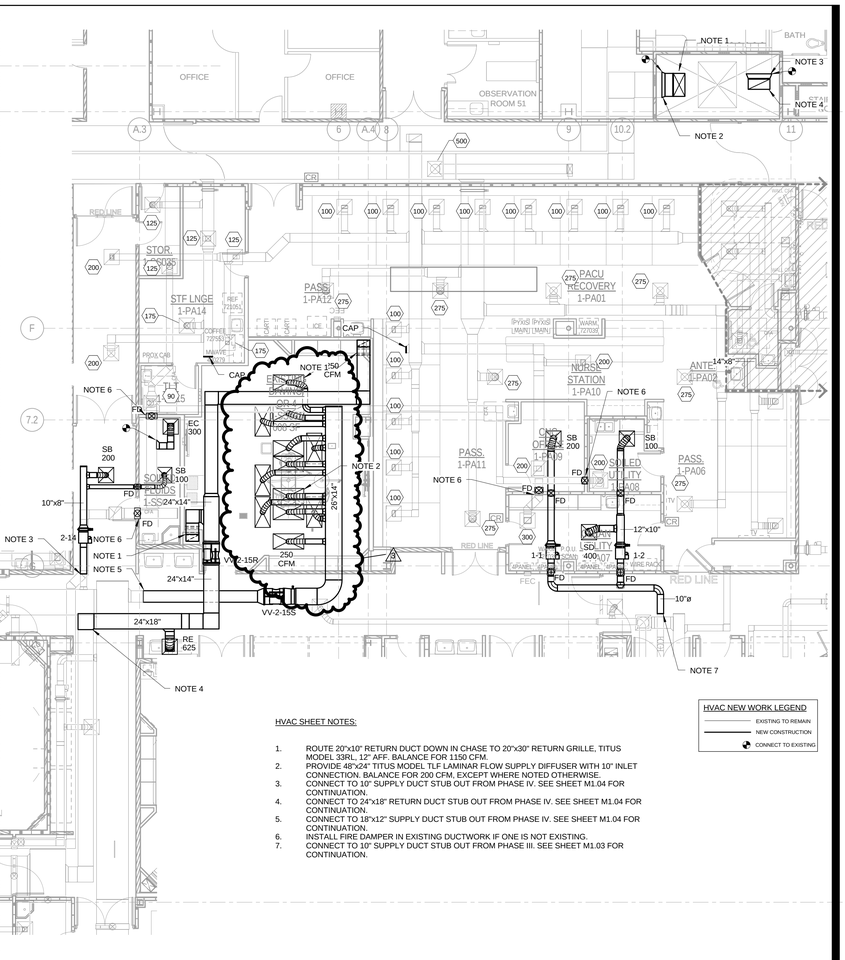
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1 MECH.DEMOLITION PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"

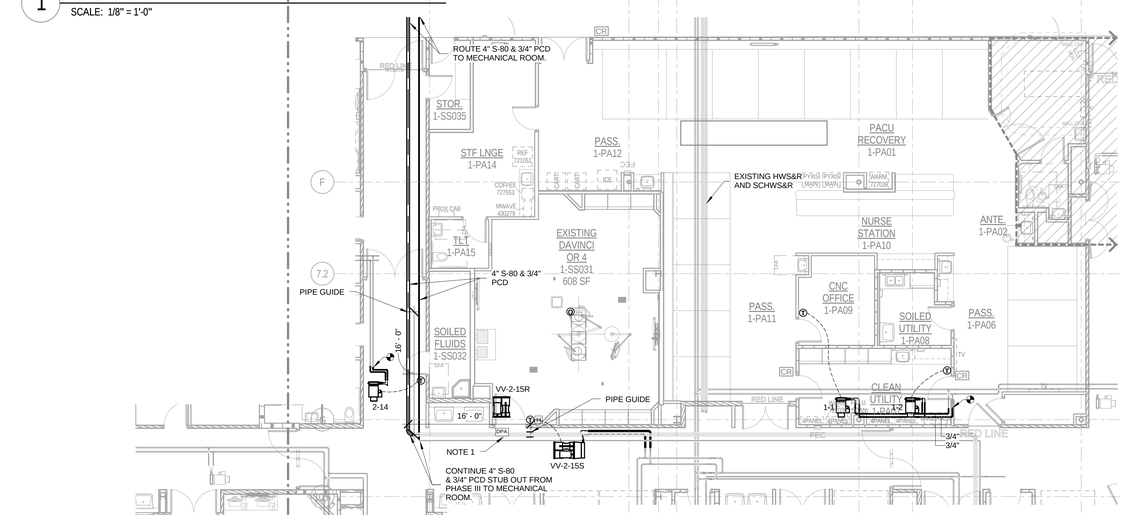


2 HVAC PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"

HVAC SHEET NOTES:

1. ROUTE 20"x10" RETURN DUCT DOWN IN CHASE TO 20"x30" RETURN GRILLE, TITUS MODEL 33RL, 12" AFF. BALANCE FOR 1150 CFM.
2. PROVIDE 48"x24" TITUS MODEL TLF LAMINAR FLOW SUPPLY DIFFUSER WITH 10" INLET CONNECTION. BALANCE FOR 200 CFM, EXCEPT WHERE NOTED OTHERWISE.
3. CONNECT TO 10" SUPPLY DUCT STUB OUT FROM PHASE IV. SEE SHEET M1.04 FOR CONTINUATION.
4. CONNECT TO 24"x18" RETURN DUCT STUB OUT FROM PHASE IV. SEE SHEET M1.04 FOR CONTINUATION.
5. CONNECT TO 18"x12" SUPPLY DUCT STUB OUT FROM PHASE IV. SEE SHEET M1.04 FOR CONTINUATION.
6. INSTALL FIRE DAMPER IN EXISTING DUCTWORK IF ONE IS NOT EXISTING.
7. CONNECT TO 10" SUPPLY DUCT STUB OUT FROM PHASE III. SEE SHEET M1.03 FOR CONTINUATION.



3 PIPING PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"

PIPING SHEET NOTES:

1. PROVIDE DIFFERENTIAL PRESSURE ALARM SYSTEM EQUAL TO TSI MODEL RP-30 OUTSIDE EACH ISOLATION ROOM AND AS INDICATED ON THE PLANS. PROVIDE UNIT WITH AUDIO AND VISUAL ALARM PANEL AT EACH ROOM COMPLETE WITH A THRU-THE-WALL PRESSURE SENSOR, DISPLAY MODULE AND TRANSFORMER. PROVIDE BACNET INTERFACE WITH THE EXISTING CONTROL SYSTEM

GENERAL PIPING NOTES:

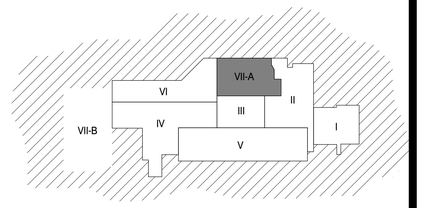
A. PIPING SHOWN ON PLANS SHOWS APPROXIMATE ROUTING. COORDINATE WITH OTHER TRADES PRIOR TO COMMENCEMENT OF WORK. CIRCUIT SETTERS ARE TO BE INSTALLED IN HOT WATER RETURN PIPES. ALL COILS ARE TO BE PIPED SO WATER ENTERS LEAVING AIR SIDE OF COIL.
B. PROVIDE SHUT-OFF VALVES AT ALL BRANCH CONNECTIONS.

PIPING NEW WORK LEGEND
EXISTING TO REMAIN
NEW CONSTRUCTION
CONNECT TO EXISTING

Only highlighted or clouded revisions are approved on this review. All previous comments apply.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: *Dec 15, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *15-1028456*



WORKING AREA - PHASED KEY PLAN

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THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 3	04/30/15

Issue Description	CD
Issue Date	2014-12-30
Project No	14077.00
Drawn By: Author	Checked By: Checker

Drawing Title

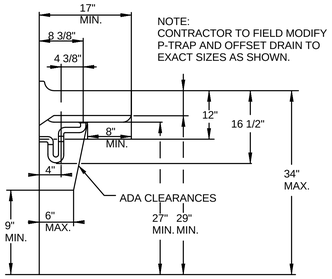
MECHANICAL PHASE VII-A

Sheet Number

M1.07A

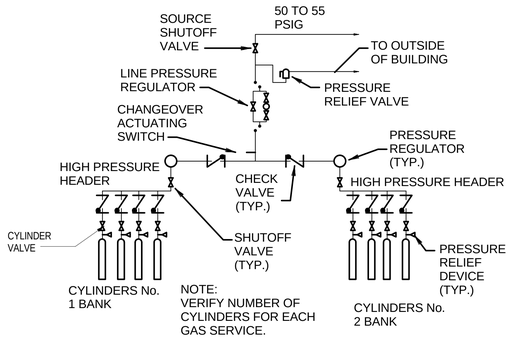
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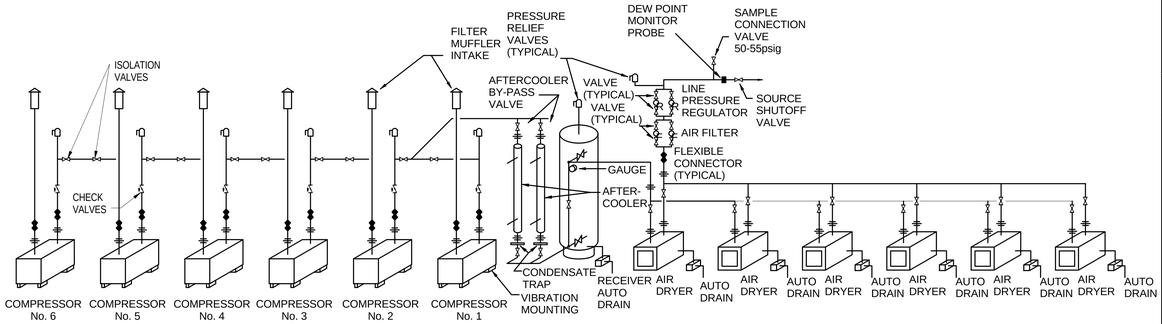
HANDICAPPED LAVATORY INSTALLATION DETAIL

NO SCALE



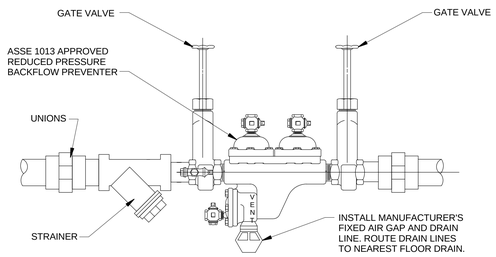
TANK CYLINDER MANIFOLD PIPING SCHEMATIC

NO SCALE



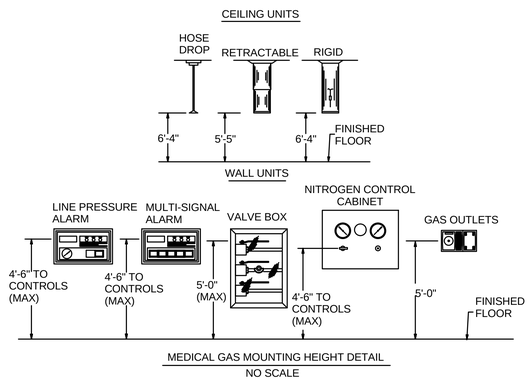
MEDICAL AIR COMPRESSOR PIPING SCHEMATIC

NO SCALE



REDUCED PRESSURE BACKFLOW PREVENTER DETAIL

SCALE: NOT TO SCALE



MEDICAL GAS MOUNTING HEIGHT DETAIL

NO SCALE

AUTOMATIC SPRINKLER & FIRE PROTECTION NOTES:

A. THE CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE AUTOMATIC SPRINKLER SYSTEM FOR ALL NEW CONSTRUCTION AREAS AS INDICATED ON THE FLOOR PLANS, INCLUDING CANOPIES. THE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY CALCULATED.

B. LIGHT HAZARD OCCUPANCIES (PATIENT ROOMS AND HALLWAYS) USING A SYSTEM OF IN. NOMINAL ORIFICE, 165 DEGREE F,QUICK RESPONSE TYPE SPRINKLERS DESIGNED TO PROVIDE 0.10 GPM/FT2 OVER THE HYDRAULICALLY MOST REMOTE 1500 SQ. FT OF FLOOR AREA.

C. ORDINARY HAZARD GROUP 1 (OH-1) OCCUPANCIES PARTITIONED OFFICES, COMPUTER ROOMS, SHELLED SPACES, BOILER ROOMS, ETC.) USING A SYSTEM OF IN. NOMINAL ORIFICE, 165 DEGREE F SPRINKLERS DESIGNED TO PROVIDE 0.14 GPM/FT2 OVER ANY, INCLUDING THE HYDRAULICALLY MOST REMOTE 2000 FT2 OF FLOOR AREA.

D. ORDINARY HAZARD GROUP 2 (OH-2) OCCUPANCIES, (SMALL STORAGE ROOMS, ETC.) USING A SYSTEM OF IN. NOMINAL ORIFICE, 165 DEGREE F SPRINKLERS DESIGNED TO PROVIDE 0.17 GPM/FT2 OVER ANY, INCLUDING THE HYDRAULICALLY MOST REMOTE 3000 FT2 OF FLOOR AREA.

E. CALCULATIONS FOR THE ABOVE DENSITIES TO INCLUDE 250 GPM FOR HOSE STREAMS, EXCEPT FOR ITEM "B" - USE ONLY 100 GPM FOR HOSE STREAMS.

F. ALL SPRINKLER HEADS SHALL BE SEMI-RECESSED, CHROME, QUICK RESPONSE TYPE AND TEMPERATURE RATINGS AS CONDITIONS DICTATE, UNLESS NOTED OTHERWISE. COVER PLATE COLOR SHALL BE COORDINATED/ SELECTED BY ARCHITECT. ASSOCIATED SPRINKLER PIPING SHALL BE RUN IN FURRED SPACES, CHASES, ETC., TO COMPLETELY CONCEAL ALL PIPING.

G. ALL SPRINKLER HEADS IN HARD CEILINGS/DRYWALL AREAS AND OTHER SELECT AREAS (ALL WAITING AREAS, BULKHEADS, OPERATING ROOMS, CENTRAL STERILE, CLEAN RMS, STERILE CORRIDORS, ETC.) SHALL BE FULLY CONCEALED, QUICK RESPONSE TYPE, WITH WHITE COVERPLATE, AND TEMPERATURE RATINGS AS CONDITIONS DICTATE, UNLESS NOTED OTHERWISE. ASSOCIATED SPRINKLER PIPING SHALL BE RUN IN FURRED SPACES, CHASES, ETC., TO COMPLETELY CONCEAL ALL PIPING.

H. ALL SPRINKLER HEADS IN AREAS WITHOUT FINISHED CEILINGS SHALL BE BRASS UPRIGHT HEADS WITH TEMPERATURE RATINGS AS CONDITIONS DICTATE. ASSOCIATED SPRINKLER PIPING SHALL BE RUN EXPOSED AND PAINTED TO MATCH ADJOINING AREAS.

I. THE SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATION OF PIPING AND HEADS WITH LIGHT FIXTURES, DIFFUSERS, DUCTWORK, PLUMBING LINES, ETC., AND MAKE MINOR ADJUSTMENTS IN THE SPRINKLER LAYOUT WHERE REQUIRED OR DEEMED NECESSARY BY THE ARCHITECT.

J. ALL SPRINKLER HEADS SHALL BE LOCATED SYMMETRICALLY IN ALL AREAS AND CENTERED IN CEILING TILES. ALL EXTERIOR HEADS SHALL BE DRY TYPE AND CORROSION RESISTANT.

K. FIRE PROTECTION SYSTEM TO CONFORM TO ALL REQUIREMENTS OF NFPA 13, 14, 20 AND 25 ALL LOCAL, COUNTY AND STATE REGULATIONS, AS WELL AS THE INSURANCE UNDERWRITER.

L. SPRINKLERS ARE TO BE SUPPLIED FROM FIRE STANDPIPES AND HORIZONTAL FIRE MAINS IN THE VARIOUS BUILDING FIRE ZONES. AUTOMATIC SPRINKLER CONNECTION(S) FOR THE VARIOUS BUILDING FIRE ZONES SHALL BE MADE AT A STANDPIPE. COORDINATE WITH ELECTRICAL CONTRACTOR FOR WIRING OF THE VARIOUS ZONE TAMPER AND FLOW SWITCHES.

GENERAL DEMOLITION NOTES:

1. CONTRACTOR SHALL REMOVE EXISTING FIXTURES AS INDICATED BY HATCHED PATTERN.

2. CONTRACTOR SHALL DISPOSE OF REMOVED FIXTURES AS INDICATED BY OWNER.

3. CONTRACTOR SHALL CAP ALL WASTE PIPING AS CLOSE TO MAIN AS POSSIBLE. MAXIMUM LENGTH OF DEAD END PIPING SHALL BE 2'-0".

4. CONTRACTOR SHALL CAP ALL WATER PIPING AS CLOSE TO MAIN AS POSSIBLE. MAXIMUM LENGTH OF DEAD END PIPING SHALL BE 2'-0"

5. CONTRACTOR SHALL RECONNECT OR REROUTE ANY EXISTING PIPING AS REQUIRED TO KEEP EXISTING "FIXTURES TO REMAIN" IN SERVICE, AND PIPING CONCEALED WHETHER PIPING IS SHOWN OR NOT.

6. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS INCLUDING EXACT PIPE LOCATION, SIZE, AND INVERT BEFORE STARTING CONSTRUCTION.

7. COORDINATE PHASING OF REMOVAL OF EXISTING PLUMBING LINES, DRAIN, AND CLEAN-OUTS WITH GENERAL CONTRACTOR & HOSPITAL STAFF. COORDINATE PHASING WITH GENERAL CONTRACTOR. PROVIDE SHIFT WORK AND MULTIPLE CERTIFICATIONS AS REQUIRED.

8. DEMOLITION WORK SHALL BE COORDINATED WITH ALL OTHER TRADES AND WITH THE NEW CONSTRUCTION PLANS FOR THE EXACT SCOPE OF WORK.

9. EXISTING ROUTING AND LOCATION OF PIPING, EQUIPMENT, ETC. SHOWN, ARE BASED ON PREVIOUS CONTRACT DOCUMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS FOR DISCREPANCIES.

10. ALL EXISTING WALLS, CEILING, FLOOR SLABS, ROOF, ETC., BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATING. COORDINATE REQUIREMENTS WITH ARCHITECTURAL.

11. IN AREAS OF RENOVATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RAISING, RE-ROUTING, AND/OR RELOCATING EXISTING SPRINKLER MAINS, PLUMBING MAINS AND BRANCH LINES TO ALLOW FOR THE INSTALLATION OF NEW MAJOR PIPE, CONDUIT AND DUCTWORK. RAISE PIPING AS NECESSARY TO ACCOMMODATE NEW CEILING HEIGHTS INDICATED ON ARCHITECTURAL CEILING PLANS.

12. EXISTING VERTICAL PIPING DISCOVERED IN WALLS OR CHASES DURING DEMOLITION SHALL BE REWORKED TO OFFSET INTO NEW WALLS, CHASES, ETC. AND RECONNECTED TO MAINTAIN SERVICES TO FLOORS BELOW AND ABOVE.

13. ANY EXISTING PIPING WHICH ENCROACHES THE ELECTRICAL EQUIPMENT RESTRICTED AREA OR FALLS ABOVE ELECTRONIC OR ELECTRICAL EQUIPMENT SHALL BE REROUTED TO AVOID SAID AREAS.

GENERAL NOTES:

1. THE DRAWINGS MAY NOT SHOW ALL EXISTING ITEMS OR CONDITIONS. CONTRACTOR SHALL NOT RECEIVE EXTRA PAYMENT FOR REQUIREMENTS WHICH CAN BE INFERRED THROUGH OBSERVATION OF EXISTING CONDITIONS AT THE SITE. IN THE EVENT CONCEALED CONDITIONS ARE ENCOUNTERED WHICH MAY VARY SIGNIFICANTLY FROM THOSE INDICATED ON THE DRAWINGS, NOTIFY THE ARCHITECT BEFORE PROCEEDING WITH WORK.

2. THE CONTRACTOR IS REQUIRED TO VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS AND FIELD VERIFY ALL POINTS OF CONNECTING TO BACK FEED EXISTING PRIOR TO SUBMITTING A BID.

3. CONTRACTOR SHALL PAY ALL FEES AND CHARGES REQUIRED TO ACHIEVE THE INSTALLATION.

4. CONTRACTOR SHALL FIELD VERIFY BY MEASUREMENT THE EXACT LOCATION OF EXISTING EQUIPMENT, PIPING, STRUCTURE AND OTHER CONDITIONS WHICH WILL AFFECT INSTALLATION. CONTRACTOR SHALL LOCATE NEW EQUIPMENT AND ROUTE NEW PIPING TO AVOID CONFLICTS AND INTERFERENCES WITH EXISTING FIELD CONDITIONS. FINAL COORDINATION WITH OTHER TRADES IS THE RESPONSIBILITY OF THE CONTRACTOR.

5. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS. DRAWINGS SHALL NOT BE SCALED.

6. PROVIDE SHUT OFF VALVES AT ALL CONNECTIONS BETWEEN NEW AND EXISTING ON WATER AND GAS LINES.

7.COORDINATE WITH GENERAL CONTRACTOR THE PATCHING OF FLOORS TO ACCOMMODATE NEW PIPING TO MATCH EXISTING.

8. COORDINATE WITH GENERAL CONTRACTOR THE PATCHING OF ROOF WHERE ROOF DRAINS AND VENTS THRU ROOF ARE REMOVED.

9. WHERE CHASES ARE REMOVED, OFFSET ALL EXISTING LINES TO NEW CHASES OR WALLS AND RECONNECT ABOVE CEILING AND BELOW FLOOR AS REQUIRED.

10. ALL EXISTING SYSTEMS TO REMAIN IN SERVICE SHALL BE BACKFED AND RESTORED TO FULL OPERATION.

11. EXISTING FIXTURES TO REMAIN WITHIN THE RENOVATION AREAS SHALL BE CLEANED AFTER CONSTRUCTION.

12. PROVIDE TRAP PRIMER CONNECTION AND TRAP PRIMER TO SERVE ALL FLOOR DRAINS.

13. FIRESTOP ALL PENETRATIONS THROUGH RATED WALL AND FLOORS.

14. INSTALL CLEANOUTS AT BASE OF ALL SANITARY AND STORM STACKS, AT ALL CHANGE IN DIRECTIONS GREATER THAN 45° AND IN STRAIGHT RUNS AT LEAST EVERY 50 FT.

15.EXTEND DRAIN PIPING FROM REDUCED PRESSURE BACKFLOW PREVENTER TO FLOOR DRAIN THE RPBP SERVES.

16. ALL EXPOSED WATER PIPING IN FINISHED SPACES TO BE CHROME PLATED.

17. ALL PLUMBING FIXTURES TO BE SEALED AT FLOOR OR WALL USING SANITARY SEALANT APPROVED FOR THE PURPOSE.

18. ALL PLUMBING, MEDICAL GAS AND FIRE PROTECTION EQUIPMENT TO BE INSTALLED ON 6" CONCRETE HOUSEKEEPING PAD.

19. CONTRACTOR SHALL OFFER ALL REMOVED PLUMBING FIXTURES TO OWNER. CONTRACTOR SHALL DISPOSE OF ALL FIXTURES NOT ACCEPTED BY OWNER OFFSITE.

20. REMOVE ALL PLUMBING FIXTURES SHOWN IN HATCHED AREAS. CAP WASTE PIPING BELOW FLOOR AND REMOVED ALL WATER PIPING SERVING PLUMBING FIXTURE BEING REMOVED. WASTE PIPING WHICH IS TO BE REUSED SHALL BE CLEANED AND RODDED. PATCH FLOOR TO MATCH EXISTING.

21. COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING OF WALL PENETRATION WHERE WALL MOUNTED ITEMS ARE REMOVED.

CENTRAL STERILE AIR COMPRESSOR SCHEDULE

TAG	MANUFACTURER	MODEL #	DESCRIPTION	ELECTRICAL	HORSE POWER	CAPACITIES	LOCATION
CSAC-1	POWEREX	SEH30-TDR	SCROLL	460/3/60	(6) @ 5 HP EACH	92.1 SCFM @ 100 PSI	AS SHOWN

NOTES:
1. WITH HANKINSON HPR100, 100 CFM DRYER.
2. TO BE MONITORED BY BAS WITH BACNET INTERFACE

FIXTURE CONNECTION SCHEDULE

SYMBOL	DESCRIPTION	CONNECTION SIZE			
		WASTE	VENT	COLD WATER	HOT WATER
P101	WATER CLOSET (FM, FV, ACC)	4"	4"	1"	---
P102	WATER CLOSET (FM, FV, REG.)	4"	4"	1"	---
P201	URINAL (WH, FV, ACC)	2"	1 1/2"	1"	---
P304	LAVATORY (W.H., G.N., B.F.)	2"	1 1/2"	1/2"	1/2"
P306	LAVATORY (SOLID SURFACE, G.N., B.F.)	2"	1 1/2"	1/2"	1/2"
P401	2-COMPARTMENT SINK (KITCHEN FAUCET)	2"	1 1/2"	1/2"	1/2"
P402	SINK (1-COMP, G.N. W.B., B.F.)	2"	1 1/2"	1/2"	1/2"
P501	CLINICAL SINK	4"	2"	1"	1/2"
P503	SCRUB SINK (SENSOR)	2"	1 1/2"	1/2"	1/2"
P504	JANITOR SINK	2"	1 1/2"	1/2"	1/2"
P602	SHOWER	2"	1 1/2"	1/2"	1/2"
P701	FLOOR DRAIN (REGULAR)	4"	2"	---	---
P702	FLOOR DRAIN (MECHANICAL)	4"	2"	---	---
P804	ICE MACHINE CONNECTION BOX	---	---	3/4"	---

NOTES:
1. ALL WALL MTD. FIXTURES SHALL BE PROVIDED WITH FLOOR MOUNTED, CONCEALED ARM WALL CARRIER.
2. ALL EXPOSED P-TRAPS SHALL BE PROVIDED W/LAV SHIELDS.
3. PROVIDE BACKFLOW PREVENTER AT CONNECTION TO OWNER FURNISHED EQUIPMENT PER IPC.
4. PROVIDE AND INSTALL TRAP PRIMERS FOR ALL FLOOR DRAINS. TRAP PRIMER SUPPLY TO BE 1 1/4" CW OR SMALLER.
5. IN ADDITION TO SERVICE VALVES SHOWN ON PLANS, PROVIDE AND INSTALL ISOLATION VALVES ON HOT AND COLD WATER SUPPLY PIPING TO EACH PLUMBING FIXTURE, INCLUDING TRAP PRIMERS.
6. PLUMBING FIXTURE (P804) TO BE LOCATED IN WALL AT OFE ICE MAKERS.
7. SHOCKTROL TO BE ZURN SERIES Z-1700 OR EQUAL. SIZE AS INDICATED ON WATER RISER DIAGRAM. PROVIDE ACCESS TO ALL SHOCKTROLS THRU ACCESS PANELS, LAY-IN CEILINGS, WALL IN CHASE

PLUMBING ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
A	MEDICAL AIR LINE	MAP	MASTER ALARM PANEL
ADA	AMERICANS WITH DISABILITIES ACT	MECH	MECHANICAL
AFF	ABOVE FINISHED FLOOR	MTD	MOUNTED
AVTR	ACID VENT THROUGH ROOF	O2	OXYGEN LINE
BPW	BED PAN WASHER	OFE	OWNER FURNISHED EQUIPMENT
CLG	CEILING	PAT	PATIENT
CONT	CONTINUATION	PUB	PUBLIC
COORD	COORDINATION	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
CO	CLEAN OUT	RWL	RAINWATER PIPING
CW	COLD WATER LINE	SAN	SANITARY SEWER PIPING
DN	DOWN	SD	UNDERGROUND STORM PIPING
DWG	DRAWING	SF	SQUARE FOOT
EA	EACH	SS	SOLID SURFACE
FM	FLOOR MOUNTED	TMP	TEMPERATURE
FPD	FIRE PROTECTION DRY PIPE	TMV	THERMOSTATIC MIXING VALVE
FPW	FIRE PROTECTION WET PIPE	TYP	TYPICAL
FV	FLUSH VALVE	V	MEDICAL VACUUM PIPING
GN	GOOSENECK	VTR	VENT THROUGH ROOF
GPM	GALLONS PER MINUTE	W/	WITH
HW	HOT WATER LINE	WB	WRIST BLADE
HWR	HOT WATER RETURN	WC	WATER CLOSET
LAV	LAVATORY	WCO	WALL CLEAN OUT
LPA	LINE PRESSURE ALARM	WH	WALL HUNG

MEDICAL GAS SCHEDULE

SYMBOL	TYPE OUTLET	GASES	LOCATION
A	HOSE DROPS	(1) V, (1)A, (1) O2, (1) N2O, (1) WAGD	OPERATING ROOM
B	HOSE DROPS	(1) V, (1) A, (1) O2, (1) N2, (1) N2O, (1) CO2, (1) WAGD	PERFUSION
C	ANESTHESIA BOOM	(3) V, (1) CO2, (1) N2, (3) SLIDES	OPERATING ROOM
D	ZONE VALVE BOX	V, A, O2, N2, WAGD	AS SHOWN
E	LINE PRESSURE ALARM	AS SHOWN	AS SHOWN
F	ZONE VALVE BOX	N2O, CO2	AS SHOWN
G	ZONE VALVE BOX	O2, A, V	AS SHOWN
H	WALL OUTLETS	(1)O2, (1)A, (1)V, (1) S	AS SHOWN

NOTE:
REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF MEDICAL GAS WALL OUTLETS

FOR INSPECTIONS USE PARENT RSN# 966198

RSN: *1066039*
Permit #: *15-1028456*

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PLUMBING LEGEND

SYMBOL	DESCRIPTION
SS	SANITARY SEWER BELOW FLOOR
	COLD WATER SUPPLY (C.W.)
	HOT WATER SUPPLY (H.W.)
	HOT WATER RETURN (HWR)
	VENT LINE
CO OR CO	CLEAN OUT
O2	OXYGEN LINE
V	VACUUM (SUCTION) LINE
A	AIR LINE
N2O	NITROUS OXIDE LINE
N	NITROGEN LINE
F	FIRE LINE
Z.V.	ZONE VALVE (MEDICAL GASES)
	BALL VALVE
	CHECK VALVE
	BALANCING VALVE
P-NO.	FIXTURE DESIGNATION
	CONNECT TO EXISTING

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THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: *Dec 15, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

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Revision 3	05/12/15

Issue Description	CD
Issue Date	2014-12-30
Project No	14077.00
Drawn By CADD	Checked By DWH

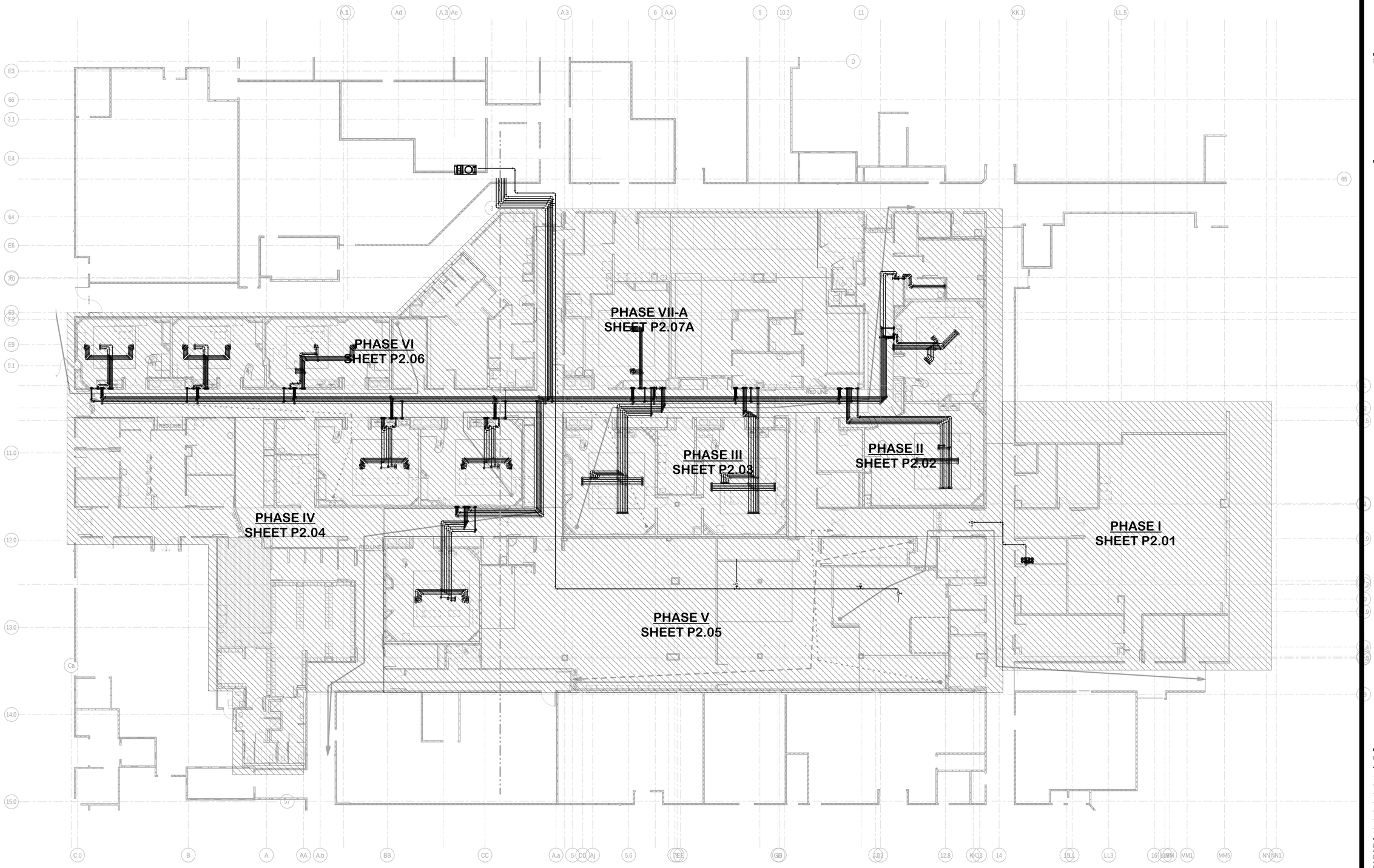
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PLUMBING LEGEND AND SCHEDULES

Sheet Number

P0.01

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1 1ST FLOOR MEDICAL GAS ORIENTATION PLAN
SCALE: 3/32" = 1'-0"

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City of Aurora Building Division
Reviewed for Code Compliance
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Date: *Dec 15, 2015*
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Permit #: *15-1028456*

△2 REVISED PIPE ROUTING
SEE PHASE PLANS

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THE MEDICAL CENTER OF AURORA RENOVATIONS

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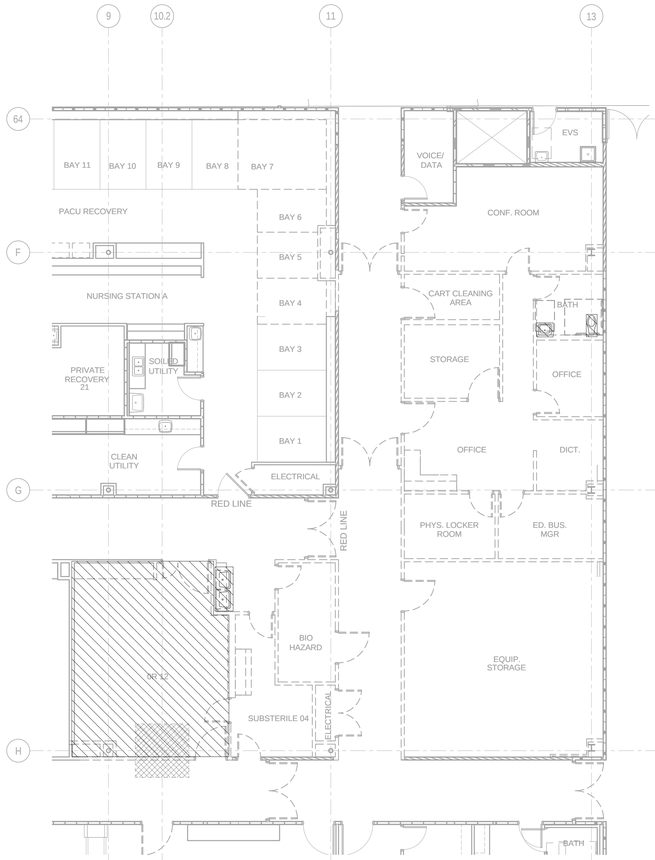
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MEDICAL GAS
ORIENTATION PLAN

Sheet Number

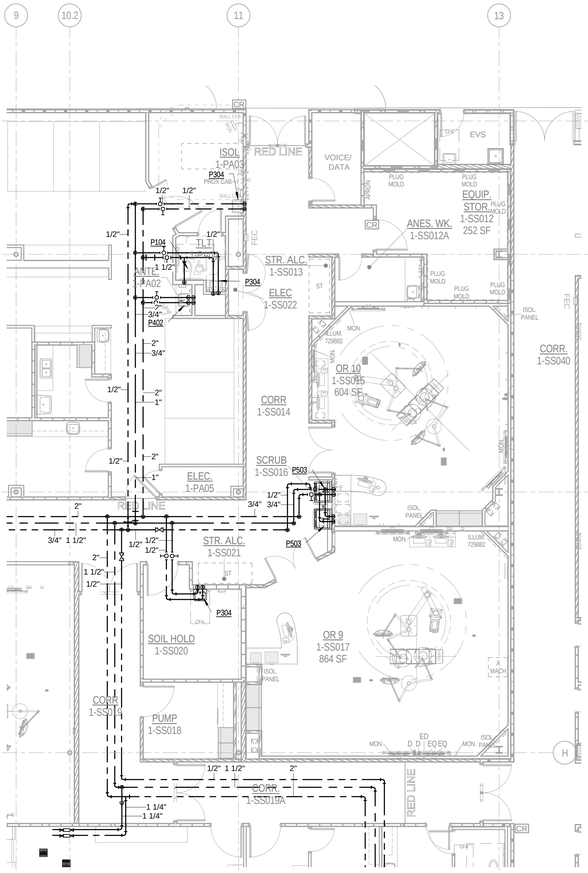
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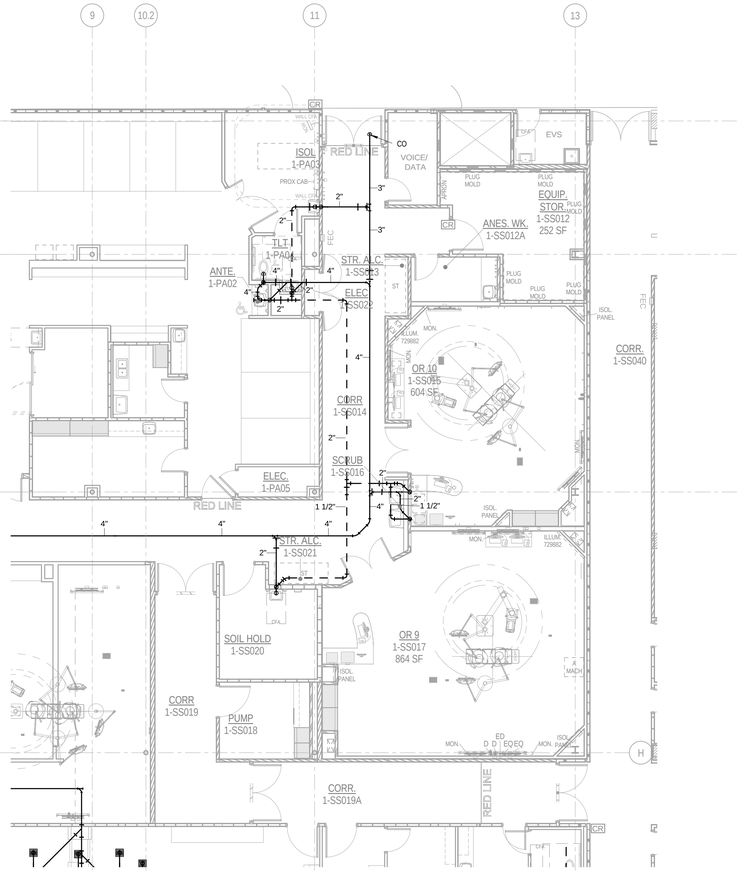
1 PLUMBING DEMOLITION PLAN - PHASE II

SCALE: 1/8" = 1'-0"



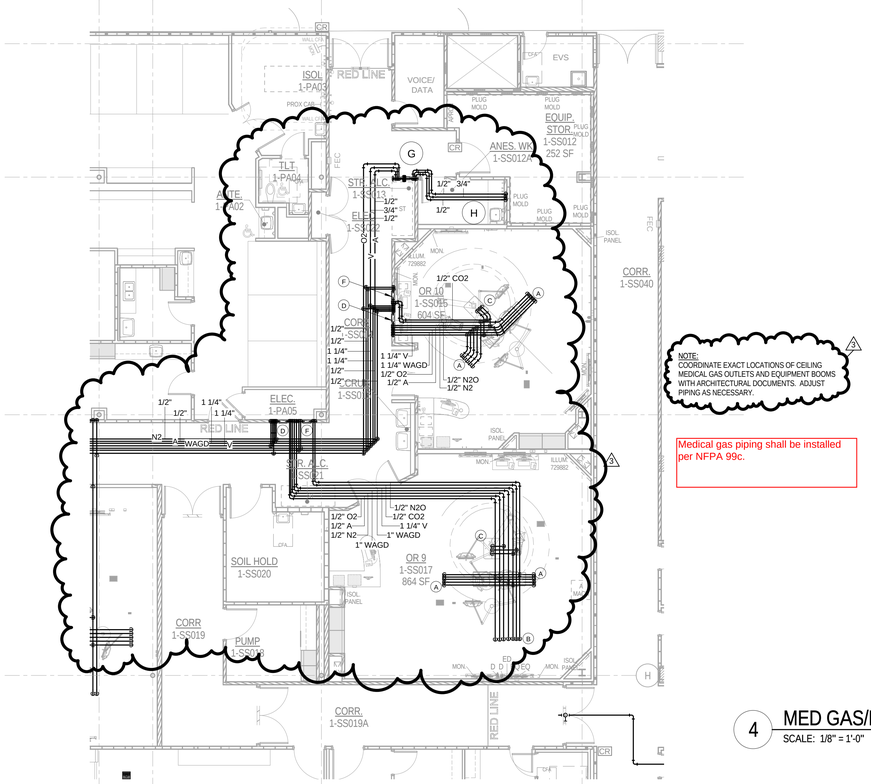
2 PLUMBING PLAN - PHASE II

SCALE: 1/8" = 1'-0"



3 PLUMBING UNDERGROUND PLAN - PHASE II

SCALE: 1/8" = 1'-0"



NOTE:
COORDINATE EXACT LOCATIONS OF CEILING MEDICAL GAS OUTLETS AND EQUIPMENT BOOMS WITH ARCHITECTURAL DOCUMENTS. ADJUST PIPING AS NECESSARY.

Medical gas piping shall be installed per NFPA 99c.

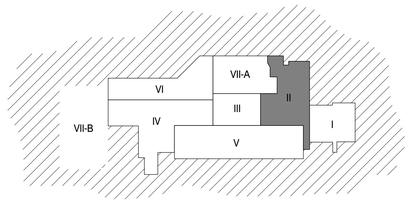
4 MED GAS/FIRE PROTECTION PLAN - PHASE II

SCALE: 1/8" = 1'-0"

Only highlighted or clouded revisions are approved on this review. All previous comments apply.

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: *Dec 15, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *15-1028456*



WORKING AREA - PHASED KEY PLAN

ICT
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THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15
Revision 2	02/20/15
Revision 3	05/12/15

Issue Description	CD
Issue Date	2014-12-30
Project No	14077.00
Drawn By CADD	Checked By DWH

Drawing Title

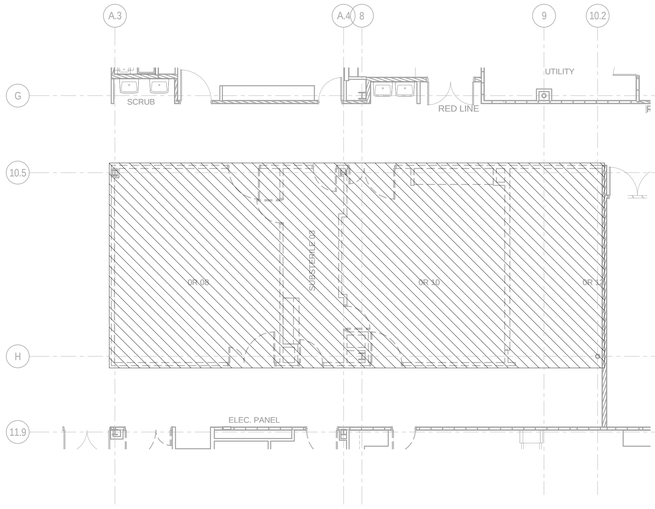
PLUMBING PHASE II

Sheet Number

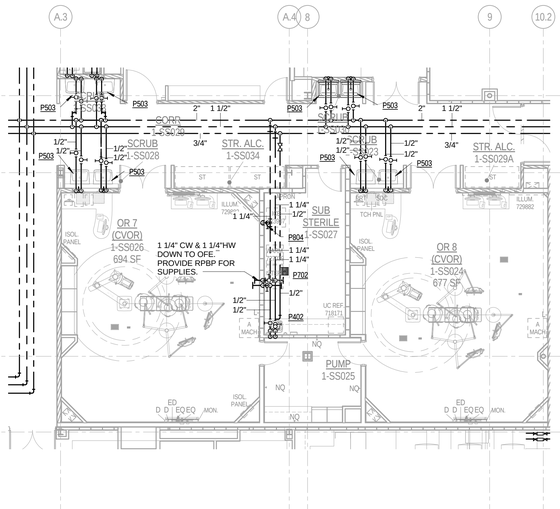
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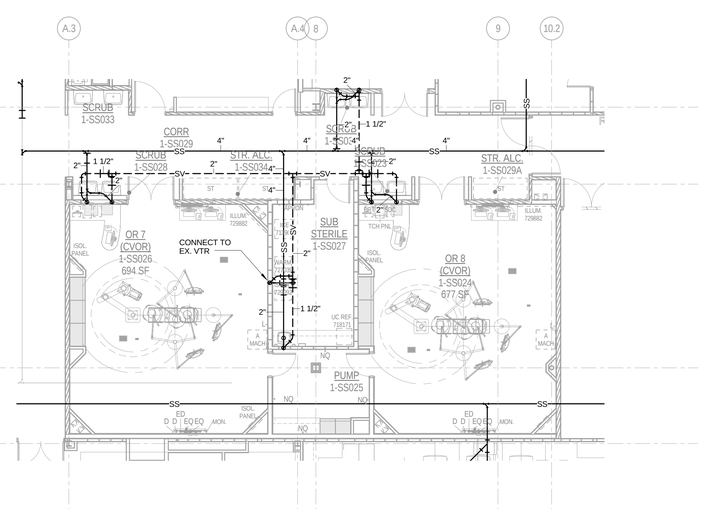
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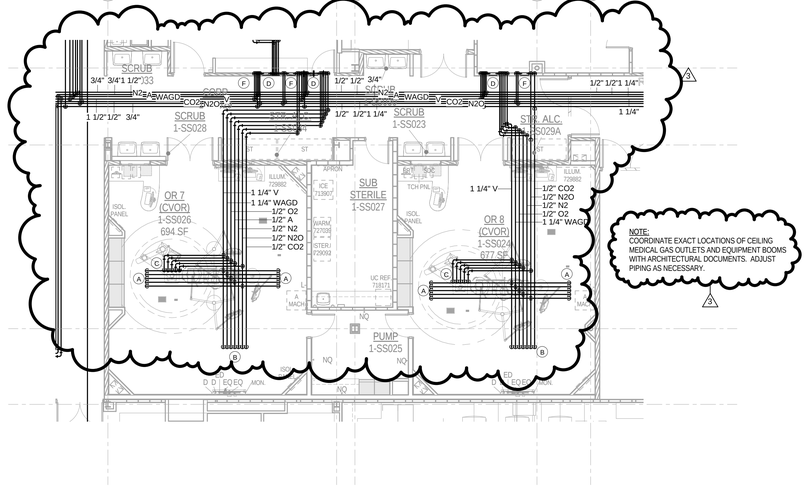
1 PLUMBING DEMOLITION PLAN - PHASE III
SCALE: 1/8" = 1'-0"



2 PLUMBING PLAN - PHASE III
SCALE: 1/8" = 1'-0"



3 PLUMBING UNDERGROUND PLAN - PHASE III
SCALE: 1/8" = 1'-0"



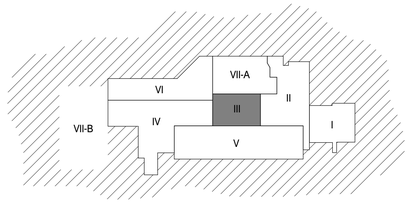
NOTE:
COORDINATE EXACT LOCATIONS OF CEILING MEDICAL GAS OUTLETS AND EQUIPMENT BOOMS WITH ARCHITECTURAL DOCUMENTS. ADJUST PIPING AS NECESSARY.

4 MED GAS/FIRE PROTECTION PLAN - PHASE III
SCALE: 1/8" = 1'-0"

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1501 S POTOMAC ST, AURORA, CO 80012

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Revision 3	05/12/15

Issue Description	CD
Issue Date	2014-12-30
Project No	14077.00
Drawn By: CADD	Checked By: DWH

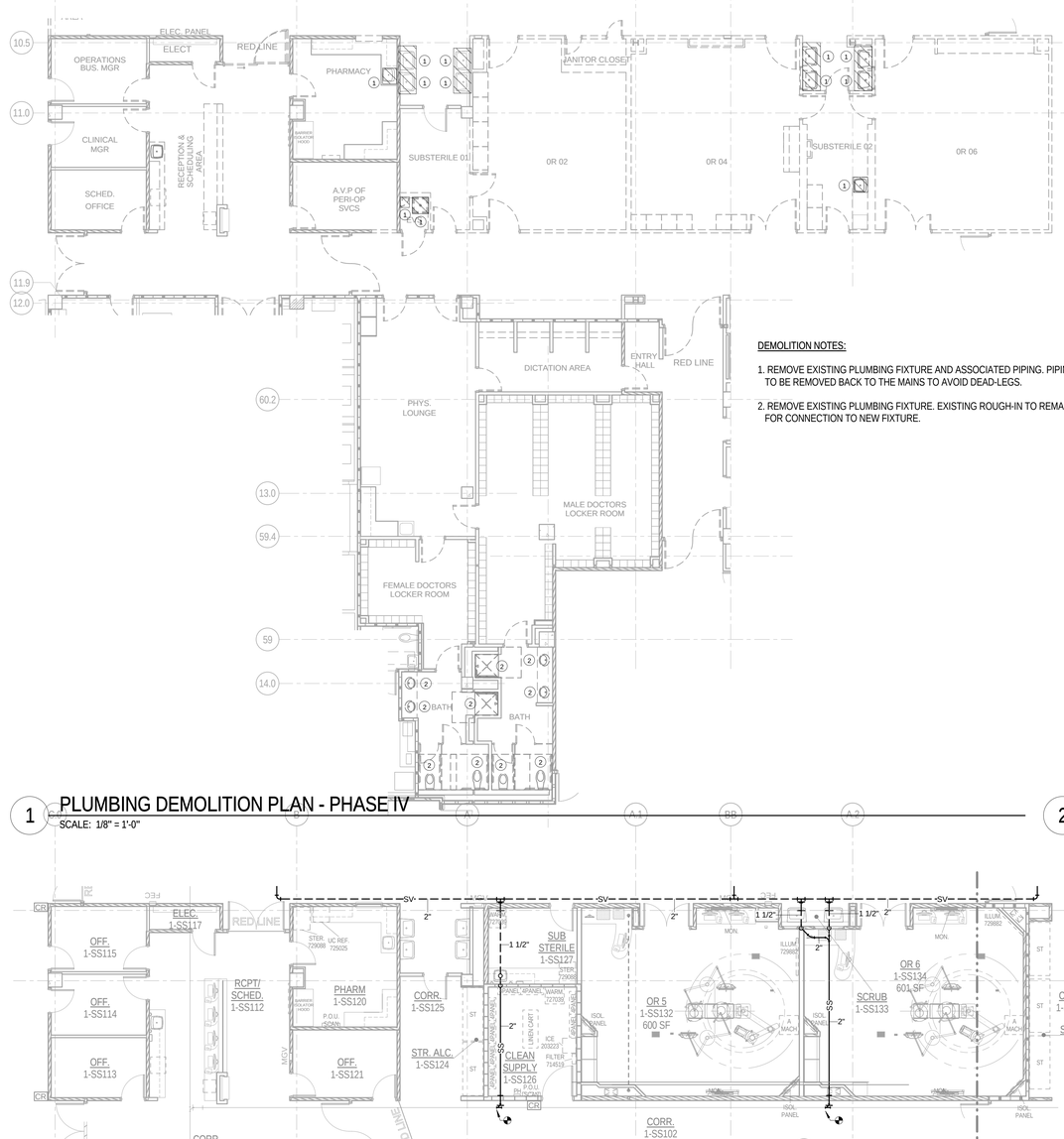
Drawing Title

PLUMBING PHASE III

Sheet Number

P2.03

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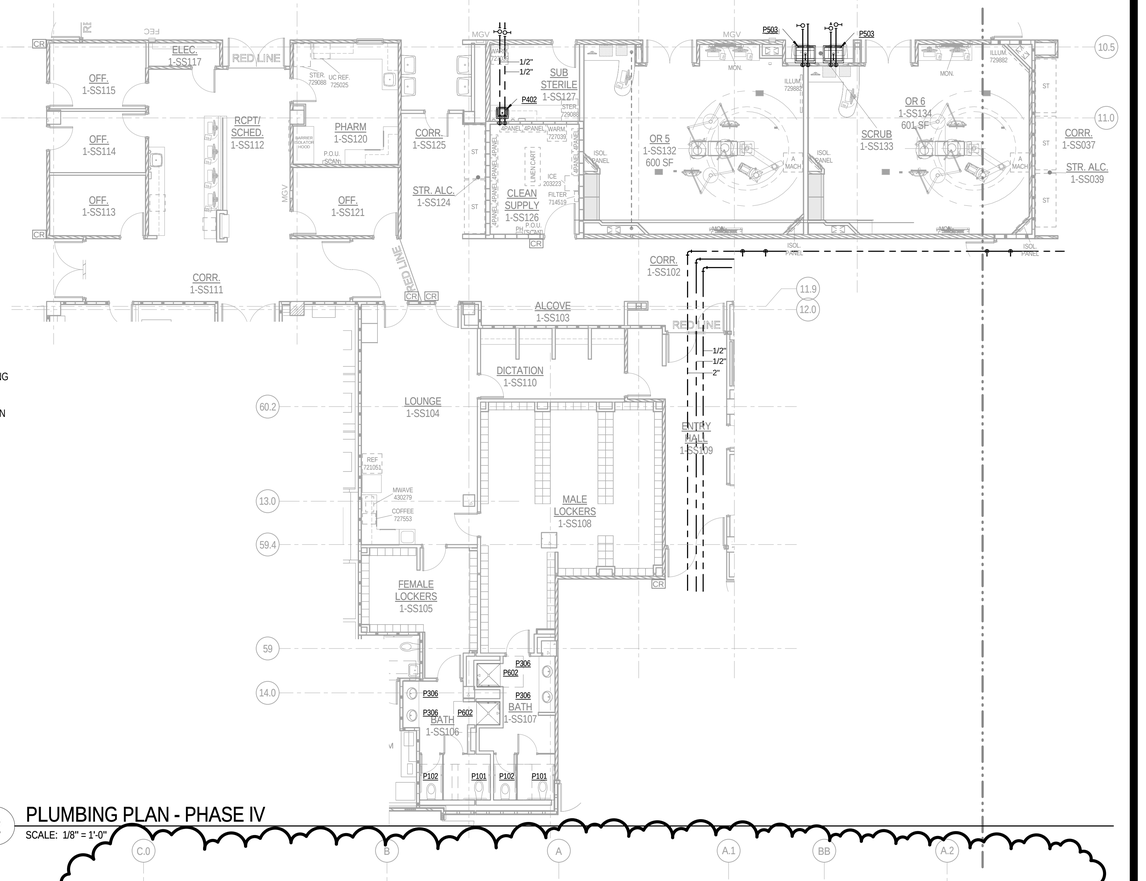


1 PLUMBING DEMOLITION PLAN - PHASE IV

SCALE: 1/8" = 1'-0"

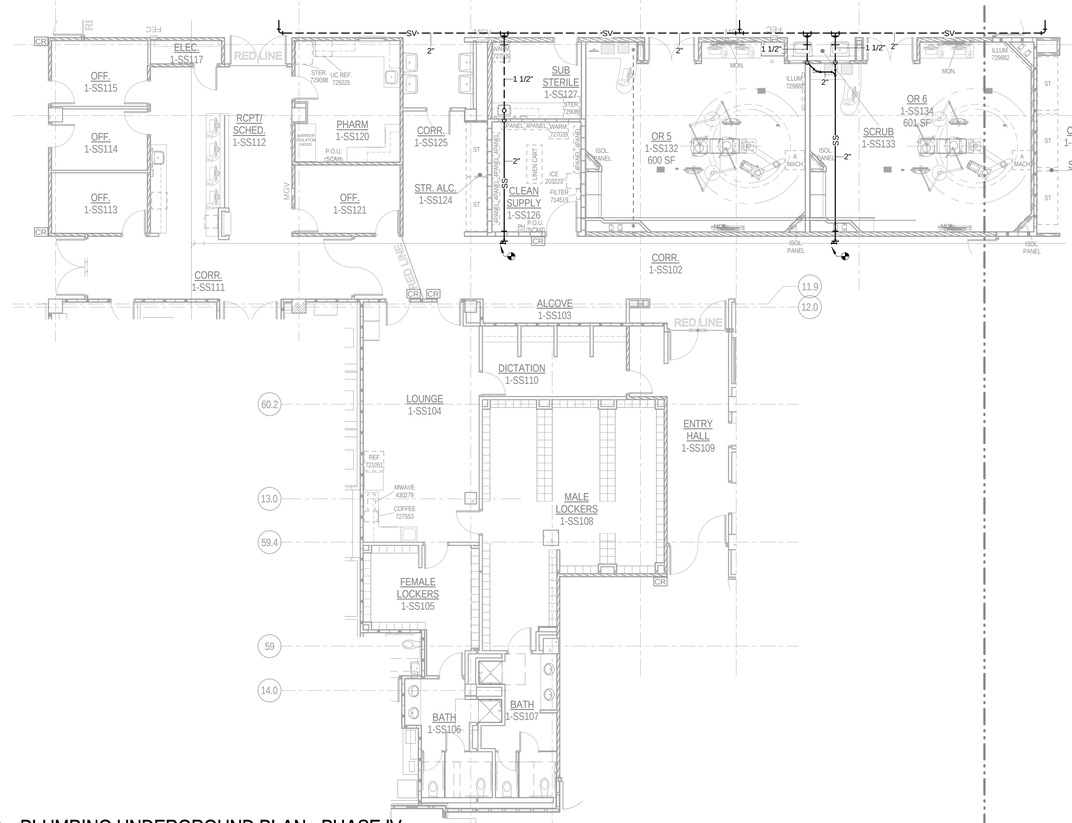
DEMOLITION NOTES:

1. REMOVE EXISTING PLUMBING FIXTURE AND ASSOCIATED PIPING. PIPING TO BE REMOVED BACK TO THE MAINS TO AVOID DEAD-LEGS.
2. REMOVE EXISTING PLUMBING FIXTURE. EXISTING ROUGH-IN TO REMAIN FOR CONNECTION TO NEW FIXTURE.



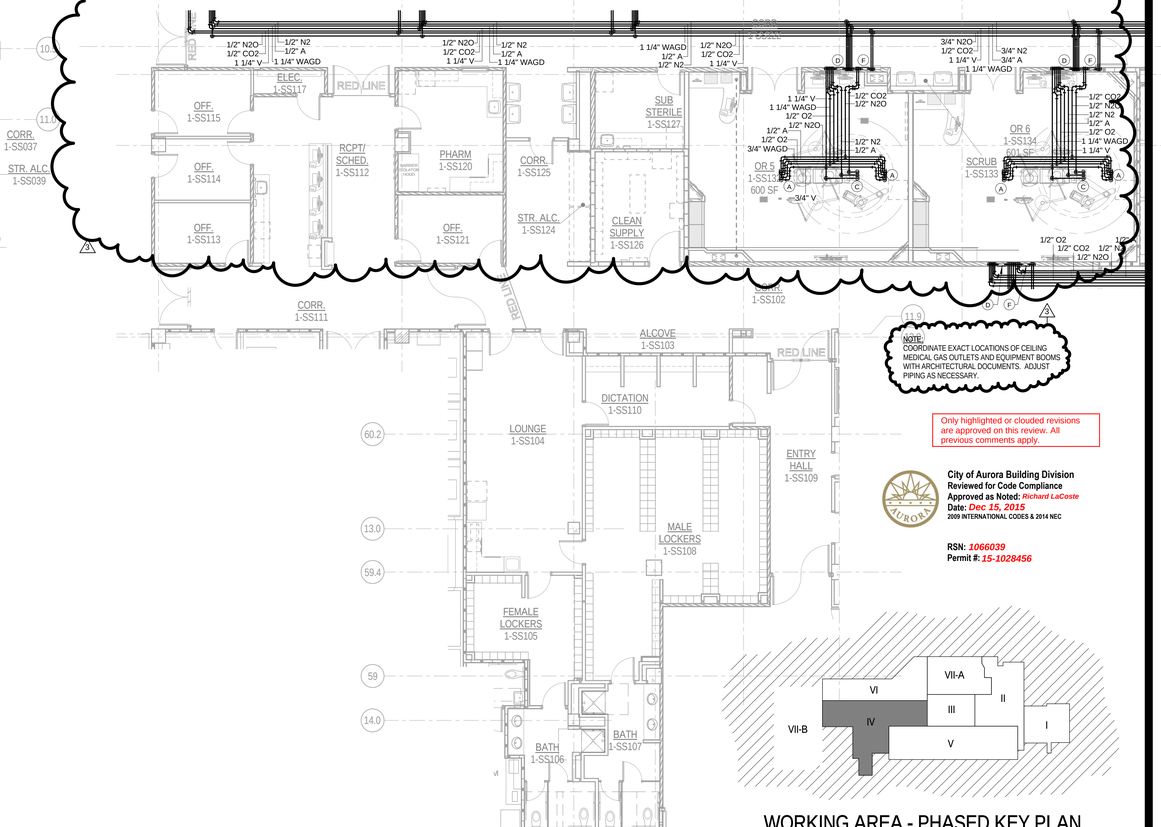
2 PLUMBING PLAN - PHASE IV

SCALE: 1/8" = 1'-0"



3 PLUMBING UNDERGROUND PLAN - PHASE IV

SCALE: 1/8" = 1'-0"



NOTE:
COORDINATE EXACT LOCATIONS OF CEILING MEDICAL GAS OUTLETS AND EQUIPMENT BOOMS WITH ARCHITECTURAL DOCUMENTS. ADJUST PIPING AS NECESSARY.

WORKING AREA - PHASED KEY PLAN

4 MED GAS/FIRE PROTECTION PLAN - PHASE IV

SCALE: 1/8" = 1'-0"

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THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

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City of Aurora Building Division
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Project No	14077.00
Drawn By CADD	Checked By DWH

Drawing Title

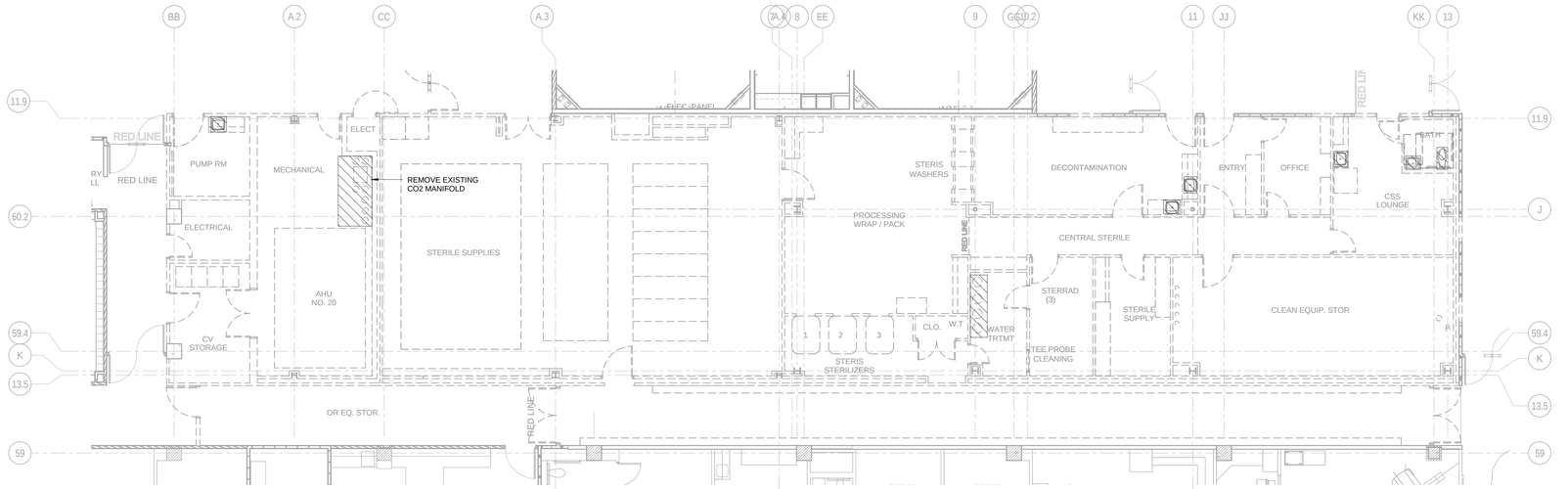
PLUMBING PHASE IV

Sheet Number

P2.04

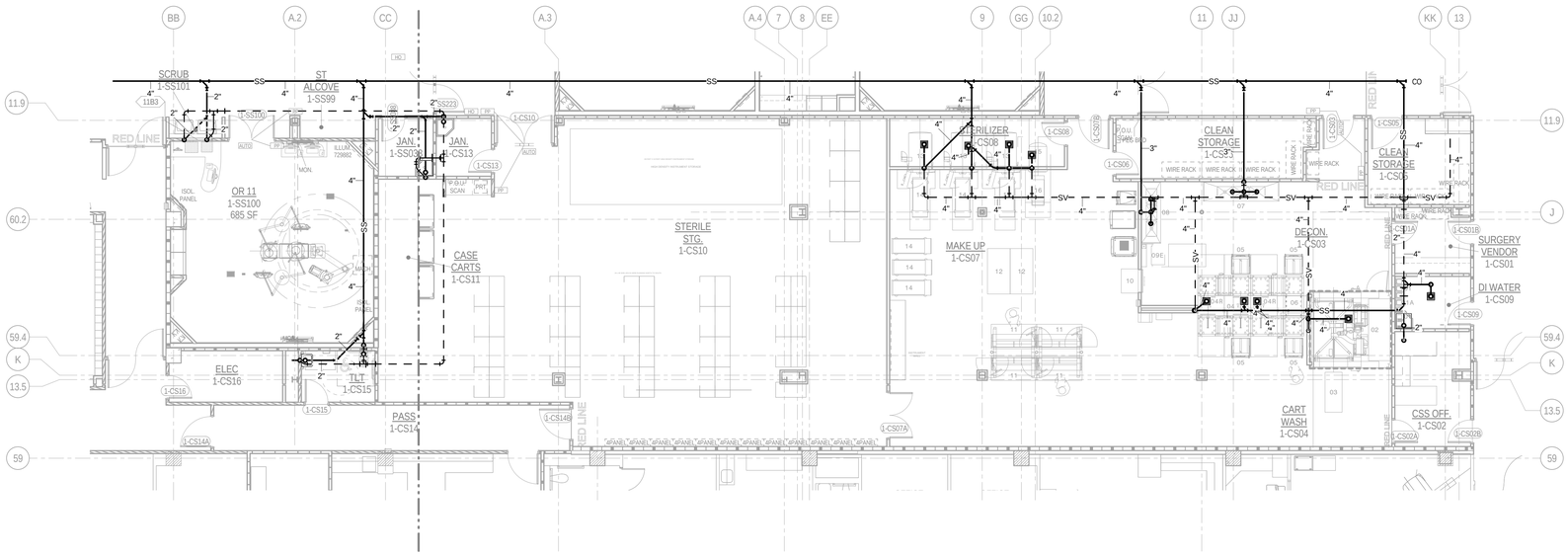
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PLUMBING DEMOLITION PLAN - PHASE V

SCALE: 1/8" = 1'-0"



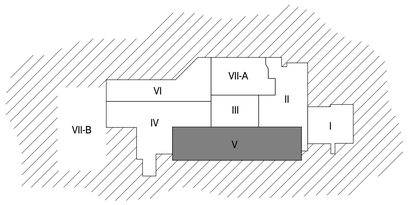
SANITARY PLAN - PHASE V

SCALE: 1/8" = 1'-0"

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City of Aurora Building Division
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Permit #: *15-1028456*



WORKING AREA - PHASED KEY PLAN

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THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

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Issue Date	2014-12-30
Project No	14077.00
Drawn By CADD	Checked By DWH

Drawing Title

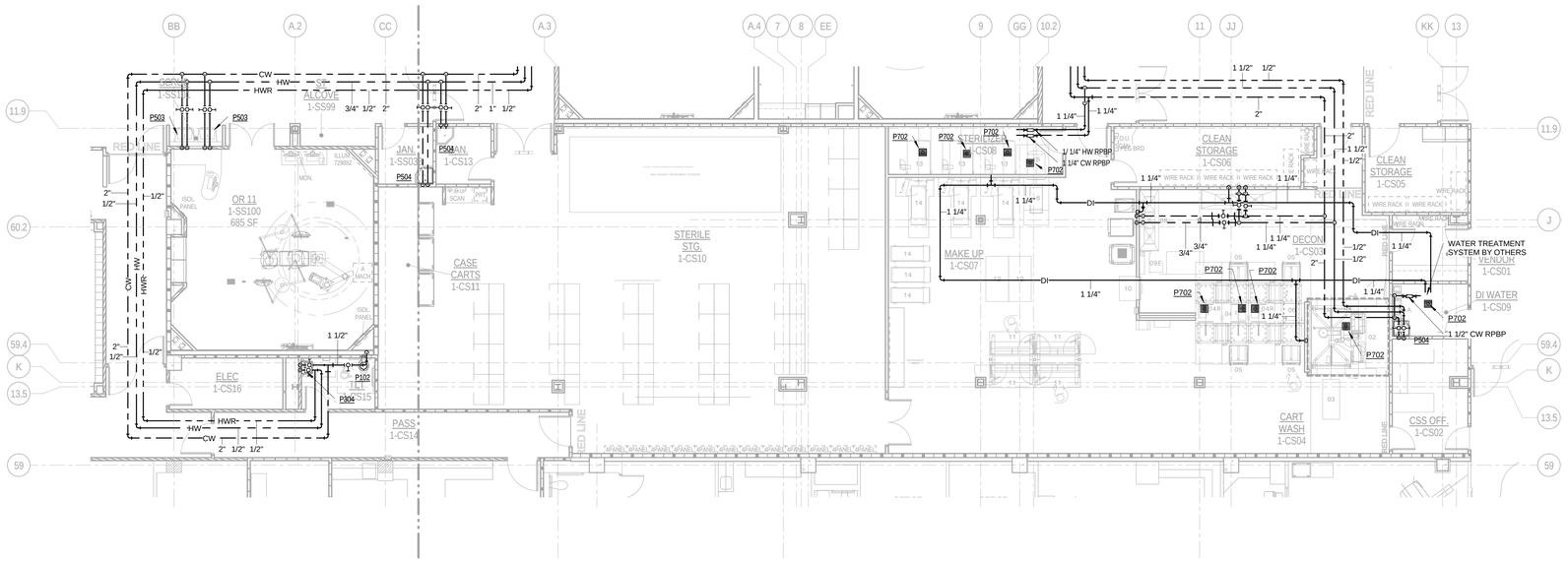
PLUMBING PHASE V - DEMO & SANITARY

Sheet Number

P2.05A

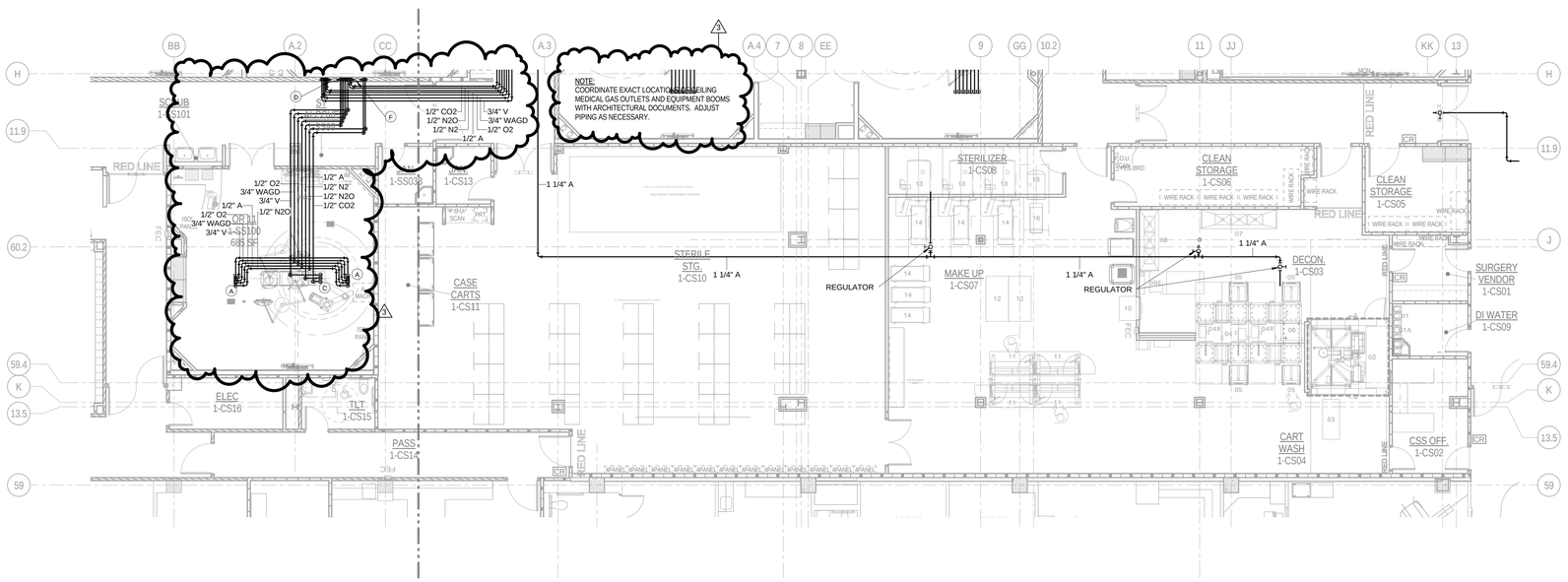
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PLUMBING PLAN - PHASE V

SCALE: 1/8" = 1'-0"



MED GAS/FIRE PROTECTION PLAN - PHASE V

SCALE: 1/8" = 1'-0"

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THE MEDICAL CENTER OF AURORA RENOVATIONS

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Revision 3	05/12/15

Issue Description	
Issue Date	2014-12-30
Project No	14077.00
Drawn By: Author	Checked By: Checker
Drawing Title	

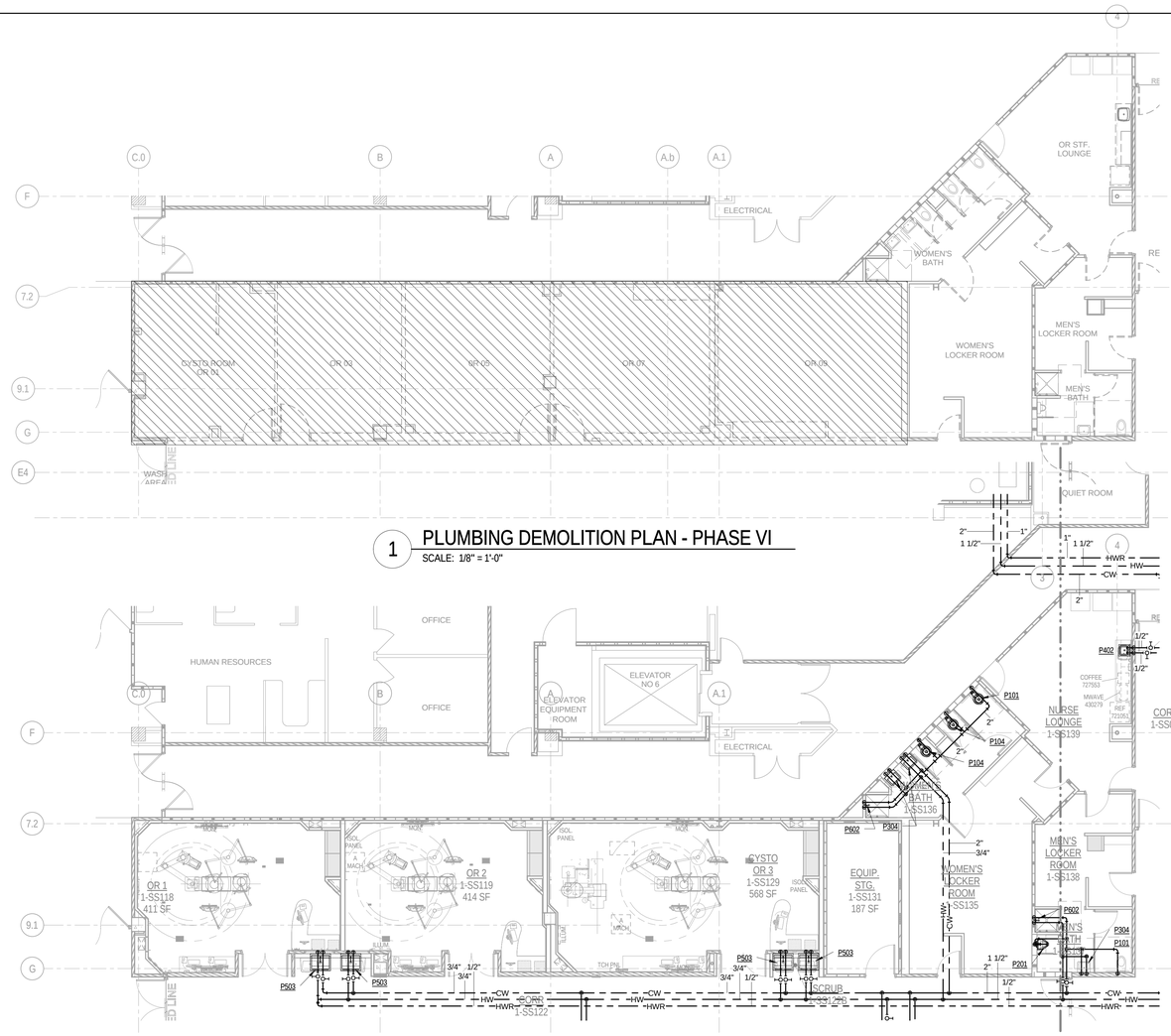
PLUMBING PHASE V - PLUMBING & MEDICAL GAS

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: *Dec 15, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

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Permit #: *15-1028456*

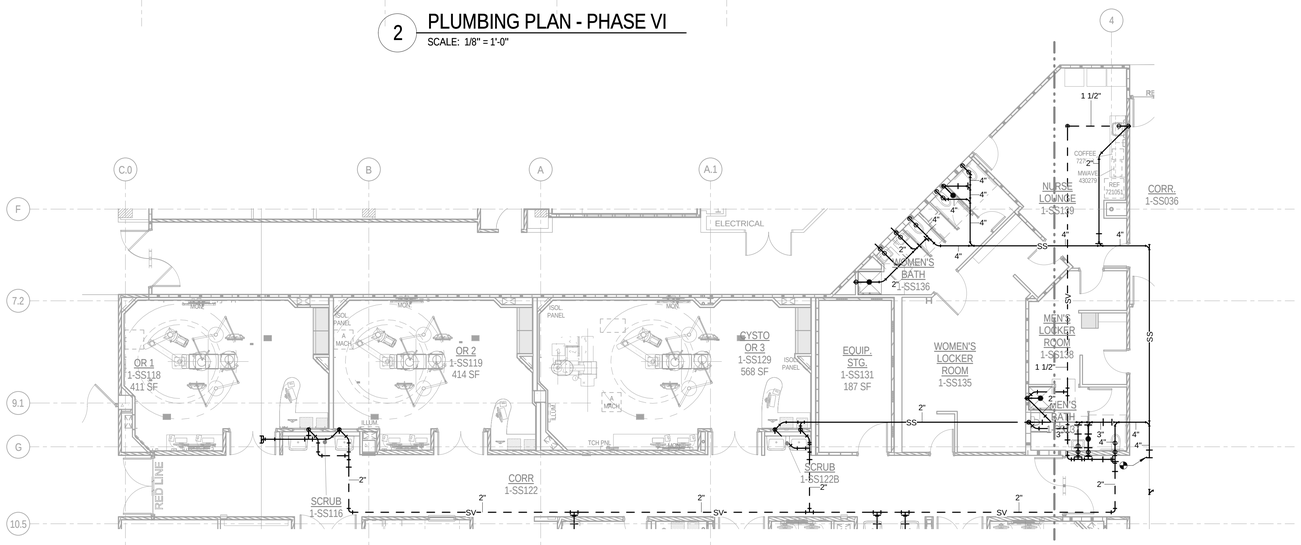
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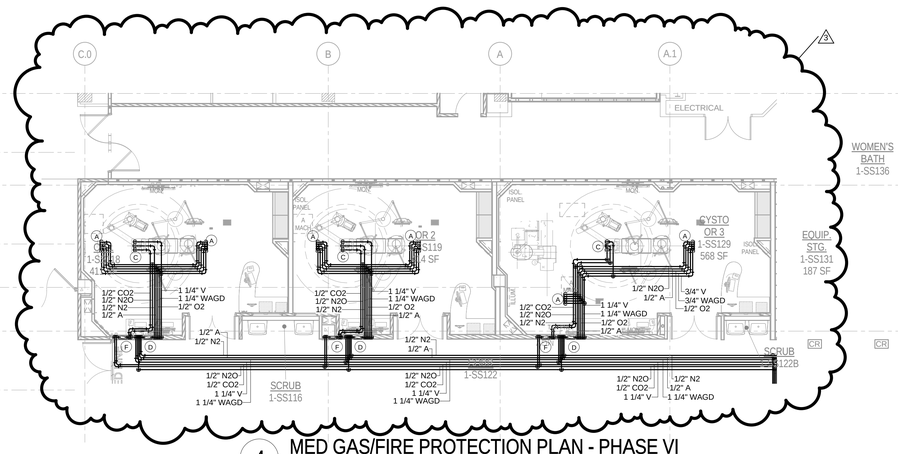


1 PLUMBING DEMOLITION PLAN - PHASE VI
SCALE: 1/8" = 1'-0"

2 PLUMBING PLAN - PHASE VI
SCALE: 1/8" = 1'-0"



3 PLUMBING UNDERGROUND PLAN - PHASE VI
SCALE: 1/8" = 1'-0"



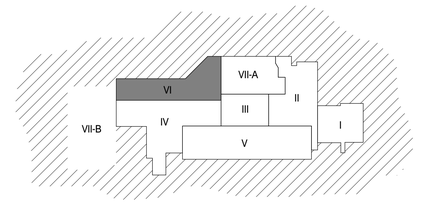
4 MED GAS/FIRE PROTECTION PLAN - PHASE VI
SCALE: 1/8" = 1'-0"

NOTE:
COORDINATE EXACT LOCATIONS OF CEILING MEDICAL GAS OUTLETS AND EQUIPMENT BOOMS WITH ARCHITECTURAL DOCUMENTS. ADJUST PIPING AS NECESSARY.

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WORKING AREA - PHASED KEY PLAN

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DOCUMENT CHANGES

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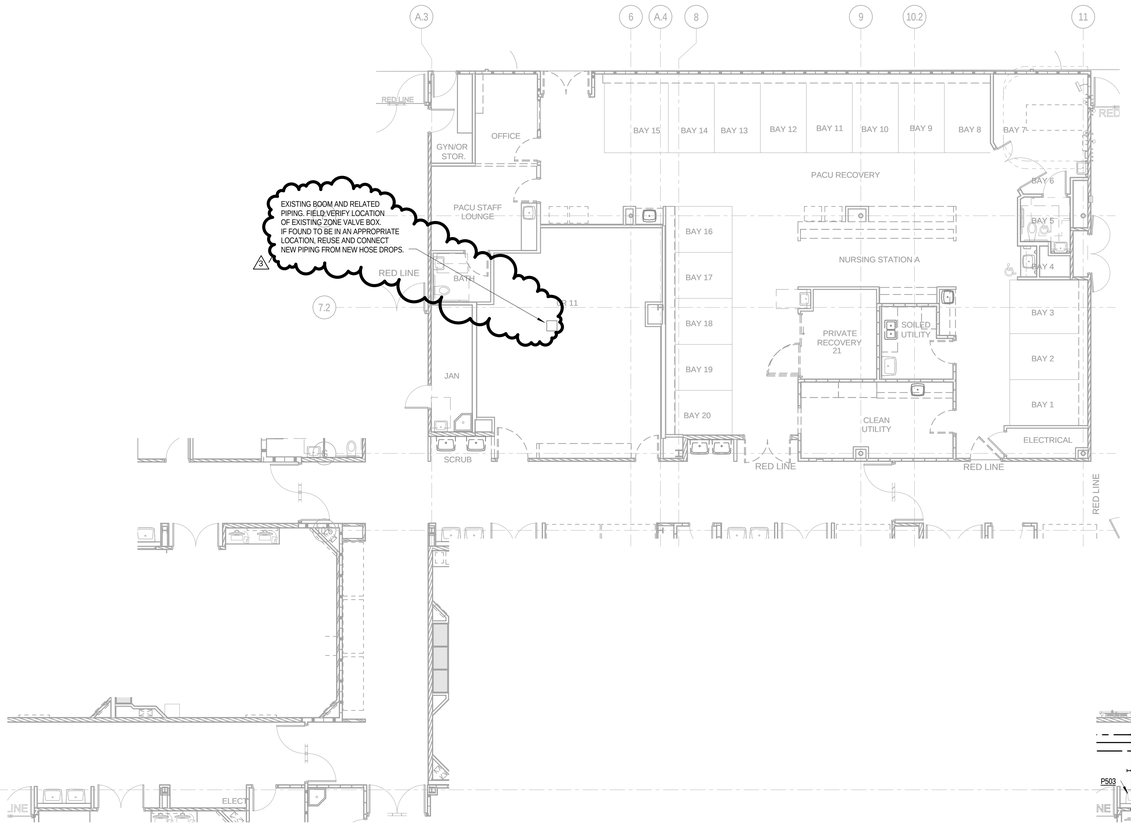
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PLUMBING PHASE VI

Sheet Number

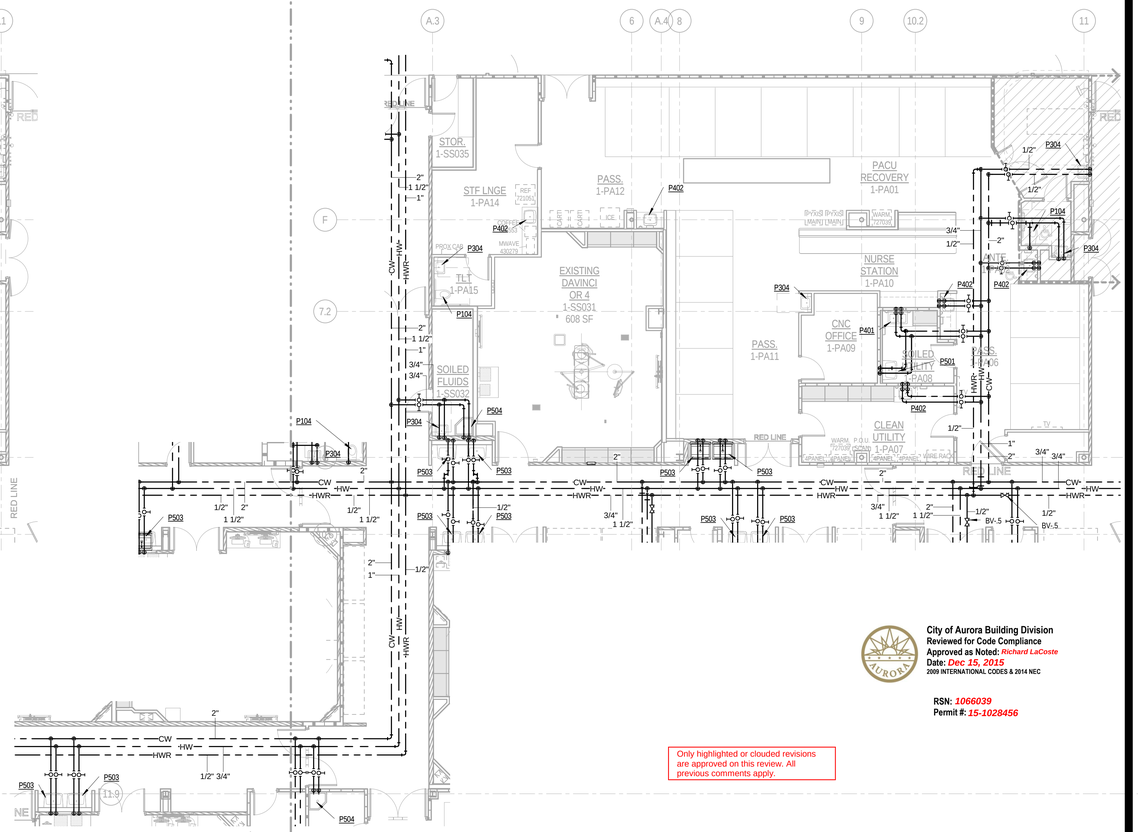
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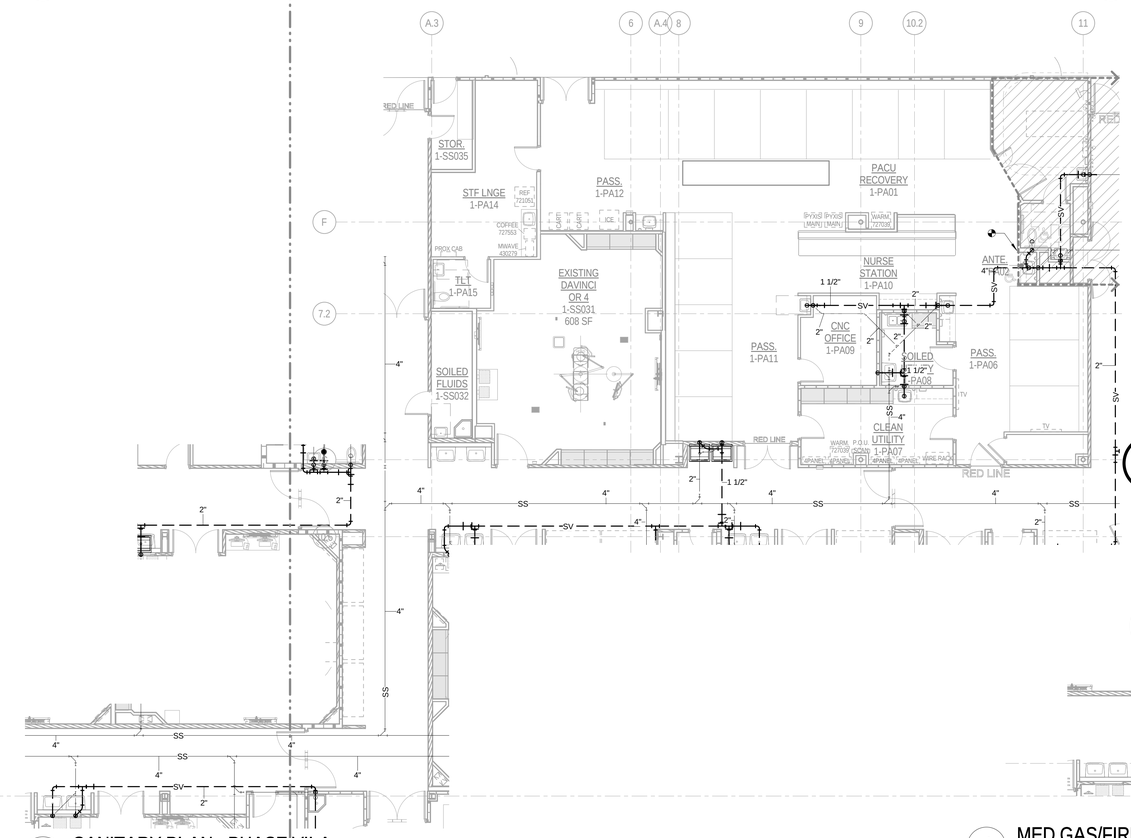
1 PLUMBING DEMOLITION PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"



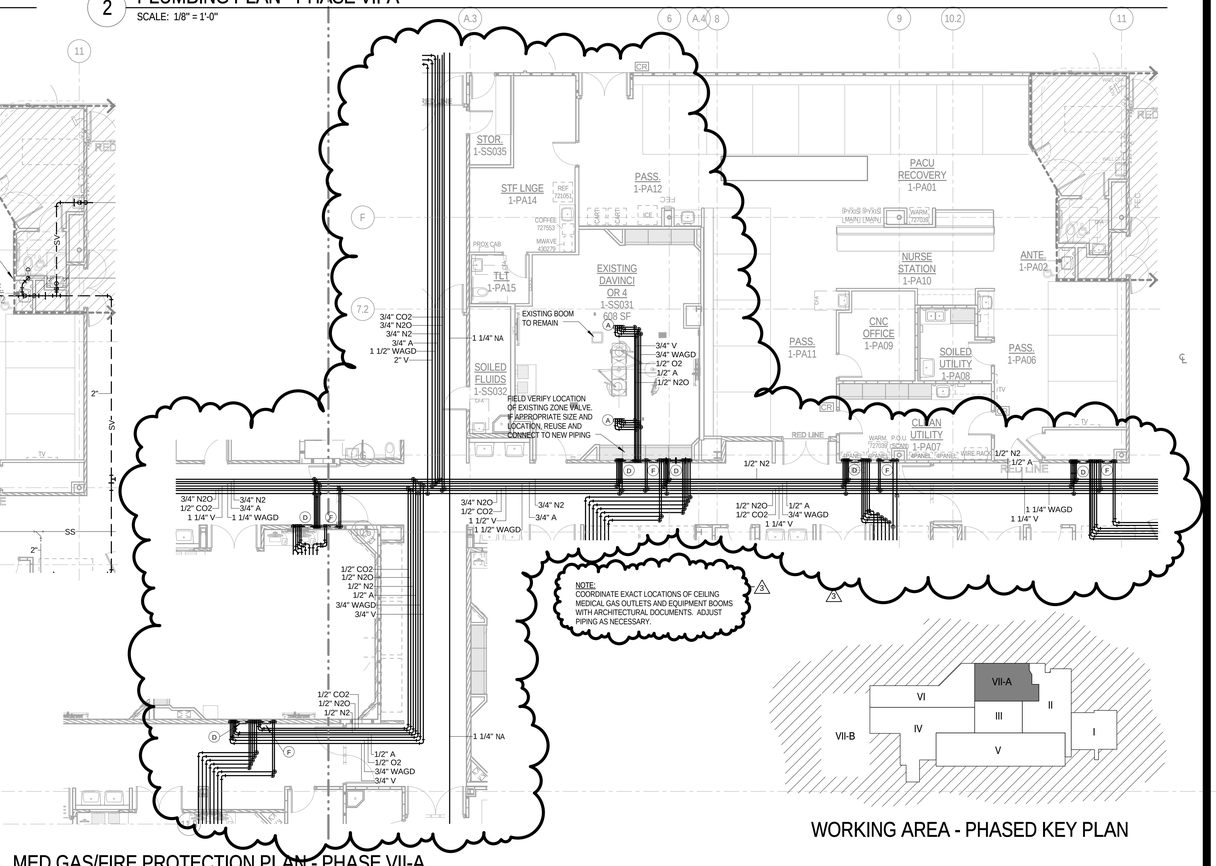
2 PLUMBING PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"



3 SANITARY PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"



WORKING AREA - PHASED KEY PLAN

4 MED GAS/FIRE PROTECTION PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"

City of Aurora Building Division
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Drawing Title

11.9 PLUMBING PHASE VII-A

Sheet Number

P2.07A

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WIRE AND CONDUIT DESIGNATION SCHEDULE

DESIG. #	DESCRIPTION	COPPER WIRE AMPACITY (THHN/THWN)	CONDUCTORS SETS	CONDUCTORS (QTY) AWG or Kcmil	COPPER CONDUIT NOMINAL DIA.	DESIG. #	DESCRIPTION	ALUMINUM ALLOY, COMPACT STRANDED WIRE AMPACITY (XHHW)	CONDUCTORS SETS	CONDUCTORS (QTY) AWG or Kcmil	ALUMINUM ALLOY, COMPACT STRANDED CONDUIT NOMINAL DIA.
(1)		20	1	(2) #12	3/4"						
(2)		20	1	(2) #12, (1) #12 G	3/4"						
(3)		20	1	(3) #12, (1) #12 G	3/4"						
(4)		20	1	(4) #12, (1) #12 G	3/4"						
(5)		30	1	(2) #10, (1) #10 G	3/4"						
(6)		30	1	(3) #10, (1) #10 G	3/4"						
(7)		30	1	(4) #10, (1) #10 G	3/4"						
(8)		40	1	(2) #8, (1) #10 G	3/4"						
(9)		40	1	(3) #8, (1) #10 G	3/4"						
(10)		40	1	(4) #8, (1) #10 G	3/4"						
(11)		55	1	(2) #6, (1) #10 G	3/4"						
(12)		55	1	(3) #6, (1) #10 G	3/4"						
(13)		55	1	(4) #6, (1) #10 G	1"						
(14)		70	1	(2) #4, (1) #8 G	1"						
(15)		70	1	(3) #4, (1) #8 G	1"						
(16)		70	1	(4) #4, (1) #8 G	1 1/4"						
(17)		85	1	(2) #3, (1) #8 G	1"						
(18)		85	1	(3) #3, (1) #8 G	1"						
(19)		85	1	(4) #3, (1) #8 G	1 1/4"						
(20)		95	1	(2) #2, (1) #8 G	1"						
(21)		95	1	(3) #2, (1) #8 G	1 1/4"						
(22)		95	1	(4) #2, (1) #8 G	1 1/4"						
(23)		130	1	(2) #1, (1) #6 G	1 1/4"						
(24)		130	1	(3) #1, (1) #6 G	1 1/4"						
(25)		130	1	(4) #1, (1) #6 G	1 1/2"						
(26)		150	1	(2) #1/0, (1) #6 G	1 1/4"						
(27)		150	1	(3) #1/0, (1) #6 G	1 1/2"						
(28)		150	1	(4) #1/0, (1) #6 G	2"						
(29)		175	1	(2) #2/0, (1) #6 G	1 1/2"						
(30)		175	1	(3) #2/0, (1) #6 G	1 1/2"						
(31)		175	1	(4) #2/0, (1) #6 G	2"						
(32)		200	1	(2) #3/0, (1) #6 G	1 1/2"						
(33)		200	1	(3) #3/0, (1) #6 G	2"						
(34)		200	1	(4) #3/0, (1) #6 G	2"						
(35)		230	1	(2) #4/0, (1) #4 G	1 1/2"	(50)		230	1	(2) 300 Kcmil, (1) #2 G	2"
(36)		230	1	(3) #4/0, (1) #4 G	2"	(56)		230	1	(3) 300 Kcmil, (1) #2 G	2 1/2"
(37)		230	1	(4) #4/0, (1) #4 G	2 1/2"	(51)		230	1	(4) 300 Kcmil, (1) #2 G	2 1/2"
(38)		255	1	(3) 250 MCM, (1) #4 G	2"	(58)		250	1	(3) 350 Kcmil, (1) #2 G	2 1/2"
(39)		255	1	(4) 250 MCM, (1) #4 G	2 1/2"	(59)		250	1	(4) 350 Kcmil, (1) #2 G	3"
(40)		285	1	(3) 300 MCM, (1) #4 G	2 1/2"	(60)		310	1	(3) 500 MCM, (1) #1 G	3"
(41)		285	1	(4) 300 MCM, (1) #4 G	3"	(41)		310	1	(4) 500 MCM, (1) #1 G	3"
(42)		310	1	(3) 350 MCM, (1) #3 G	2 1/2"	(42)		310	1	(3) 500 MCM, (1) #1 G	3"
(43)		310	1	(4) 350 MCM, (1) #3 G	3"	(43)		310	1	(4) 500 MCM, (1) #1 G	3"
(44)		380	1	(3) 500 MCM, (1) #3 G	3"	(44)		385	1	(3) 750 MCM, (1) #1 G	3 1/2"
(45)		380	1	(4) 500 MCM, (1) #3 G	3 1/2"	(45)		385	1	(4) 750 MCM, (1) #1 G	3 1/2"
(46)		460	2	(4) 4/0, (1) #2 G	2 1/2"	(46)		460	2	(4) 300 MCM, (1) #1/0 G	2 1/2"
(47)		510	2	(4) 250 MCM, (1) #1 G	2 1/2"	(47)		540	2	(4) 400 MCM, (1) #2/0 G	3"
(48)		620	2	(4) 350 MCM, (1) #1/0 G	3"	(48)		620	2	(4) 500 MCM, (1) #3/0 G	3"
(49)		760	2	(4) 500 MCM, (1) #1/0 G	3 1/2"	(49)		770	2	(4) 750 MCM, (1) #3/0 G	4"
(50)		855	3	(4) 300 MCM, (1) #2/0 G	3"	(50)		930	3	(4) 500 MCM, (1) #4/0 G	3"
(51)		930	3	(4) 350 MCM, (1) #2/0 G	3"	(51)		930	3	(4) 500 MCM, (1) #4/0 G	3"
(52)		1005	3	(4) 400 MCM, (1) #3/0 G	3"	(52)		1000	4	(4) 350 MCM, (1) #250MCM G	3"
(53)		1140	3	(4) 500 MCM, (1) #3/0 G	3 1/2"	(53)		1240	4	(4) 500 MCM, (1) #350MCM G	3 1/2"
(54)		1240	4	(4) 350 MCM, (1) #4/0 G	3"	(54)		1240	4	(4) 500 MCM, (1) #350MCM G	3 1/2"
(55)		1675	5	(4) 400 MCM, (1) #250 MCM G	3"	(55)		1700	5	(4) 600 MCM, (1) #400MCM G	3 1/2"
(56)		1900	5	(4) 500 MCM, (1) #250 MCM G	3 1/2"	(56)		2040	6	(4) 600 MCM, (1) #600MCM G	3 1/2"
(57)		2010	6	(4) 400 MCM, (1) #350 MCM G	3 1/2"	(57)		2040	6	(4) 600 MCM, (1) #600MCM G	3 1/2"
(58)		2280	6	(4) 500 MCM, (1) #350 MCM G	3 1/2"	(58)		2310	6	(4) 750 MCM, (1) #600MCM G	4"
(59)		2660	7	(4) 500 MCM, (1) #400 MCM G	3 1/2"	(59)		2695	7	(4) 750 MCM, (1) #600MCM G	4"
(60)		3040	8	(4) 500 MCM, (1) #500MCM G	3 1/2"	(60)		3080	8	(4) 750 MCM, (1) #750MCM G	4"
(61)		4180	11	(4) 500 MCM	3 1/2"	(61)		4235	11	(4) 750 MCM	4"
	* 2000	2010	6	(4) 400 MCM	4"		* 2000	2040	6	(4) 600 MCM	4"
	* 2500	2660	7	(4) 500 MCM	4"		* 2500	2720	8	(4) 600 MCM	4"
	* 4000	4180	11	(4) 500 MCM	4"		* 4000	4080	12	(4) 600 MCM	4"
	* 5000	5320	14	(4) 500 MCM	4"		* 5000	5390	14	(4) 750 MCM	4"
ALT	* 2500	2520	6	(4) 600 MCM	4"	ALT	* 2500	2550	6	(4) 900 MCM	5"
ALT	* 5000	5040	12	(4) 600 MCM	4"	ALT	* 5000	5340	12	(4) 1000 MCM	5"

* INDICATES SERVICE ENTRANCE

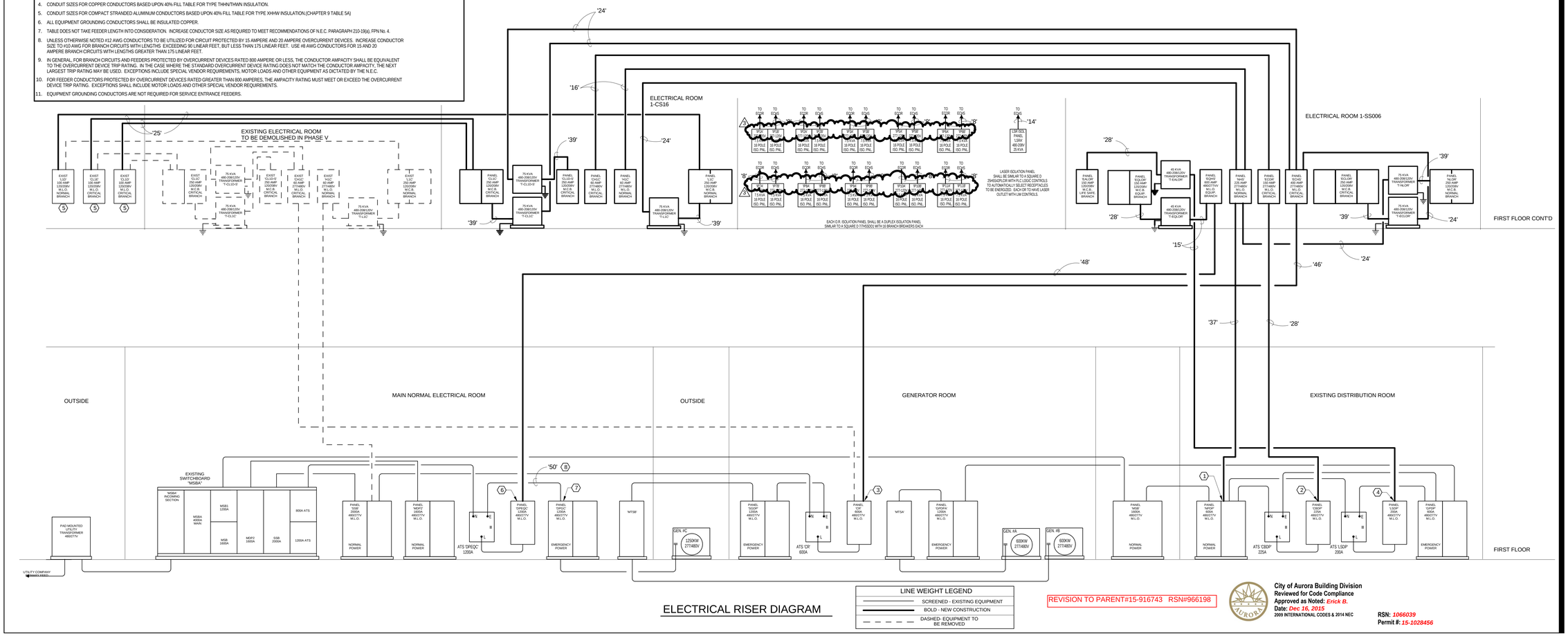
NOTES:

1. COPPER CONDUCTORS SHALL BE USED FOR SIZES UP TO AND INCLUDING #4/0 AWG. FEEDERS REQUIRING AMPACITIES IN EXCESS OF 225 AMPERES MAY BE EITHER COPPER OR COMPACT STRANDED ALUMINUM ALLOY AS PERMITTED BY THE N.E.C.
2. WIRE AMPACITY OF CONDUCTORS PROTECTED BY OVERCURRENT DEVICES RATED 100 AMPERES OR LESS TO BE BASED UPON 60 C AMPACITY TABLE PER N.E.C. TABLE 310.16.
3. WIRE AMPACITY OF CONDUCTORS PROTECTED BY OVERCURRENT DEVICES RATED OVER 100 AMPERES TO BE BASED UPON 75 C AMPACITY TABLE PER N.E.C. TABLE 310.16.
4. CONDUIT SIZES FOR COPPER CONDUCTORS BASED UPON 40% FILL TABLE FOR TYPE THHN/THWN INSULATION.
5. CONDUIT SIZES FOR COMPACT STRANDED ALUMINUM CONDUCTORS BASED UPON 40% FILL TABLE FOR TYPE XHHW INSULATION.(CHAPTER 9 TABLE 5A)
6. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSULATED COPPER.
7. TABLE DOES NOT TAKE FEEDER LENGTH INTO CONSIDERATION. INCREASE CONDUCTOR SIZE AS REQUIRED TO MEET RECOMMENDATIONS OF N.E.C. PARAGRAPH 210-19(a), FPN No. 4.
8. UNLESS OTHERWISE NOTED #12 AWG CONDUCTORS TO BE UTILIZED FOR CIRCUIT PROTECTED BY 15 AMPERE AND 20 AMPERE OVERCURRENT DEVICES. INCREASE CONDUCTOR SIZE TO #10 AWG FOR BRANCH CIRCUITS WITH LENGTHS EXCEEDING 90 LINEAR FEET, BUT LESS THAN 175 LINEAR FEET. USE #8 AWG CONDUCTORS FOR 15 AND 20 AMPERE BRANCH CIRCUITS WITH LENGTHS GREATER THAN 175 LINEAR FEET.
9. IN GENERAL, FOR BRANCH CIRCUITS AND FEEDERS PROTECTED BY OVERCURRENT DEVICES RATED 800 AMPERE OR LESS, THE CONDUCTOR AMPACITY SHALL BE EQUIVALENT TO THE OVERCURRENT DEVICE TRIP RATING. IN THE CASE WHERE THE STANDARD OVERCURRENT DEVICE RATING DOES NOT MATCH THE CONDUCTOR AMPACITY, THE NEXT LARGEST TRIP RATING MAY BE USED. EXCEPTIONS INCLUDE SPECIAL VENDOR REQUIREMENTS, MOTOR LOADS AND OTHER EQUIPMENT AS DICTATED BY THE N.E.C.
10. FOR FEEDER CONDUCTORS PROTECTED BY OVERCURRENT DEVICES RATED GREATER THAN 800 AMPERES, THE AMPACITY RATING MUST MEET OR EXCEED THE OVERCURRENT DEVICE TRIP RATING. EXCEPTIONS SHALL INCLUDE MOTOR LOADS AND OTHER SPECIAL VENDOR REQUIREMENTS.
11. EQUIPMENT GROUNDING CONDUCTORS ARE NOT REQUIRED FOR SERVICE ENTRANCE FEEDERS.

Only highlighted or clouded revisions are approved on this review. All previous comments apply.

RISER NOTES:

1. PROVIDE A NEW 225A/3P BREAKER IN EXISTING PANEL NPDP TO SERVE NEW PANEL NHS AS SHOWN.
2. REPLACE EXISTING 60A/3P SPARE BREAKER WITH A NEW 150A/3P SG, MET, LSI BREAKER TO SERVE NEW PANEL ECOR AS SHOWN.
3. PROVIDE A NEW 400A/3P BREAKER IN EXISTING PANEL CR TO SERVE NEW PANEL ECHS AS SHOWN.
4. PROVIDE A NEW 70A/3P BREAKER IN EXISTING PANEL LSDP TO SERVE NEW TRANSFORMER AS SHOWN.
5. EXISTING PANEL TO BE REFED FROM NEW PANEL AS SHOWN IN PHASE V. REFER TO SHEETS E1.00 AND E1.05 FOR MORE INFORMATION.
6. PROVIDE A NEW 600A/3P BREAKER IN EXISTING PANEL DPEQC TO FEED NEW PANEL EQHS AS SHOWN.
7. REPLACE EXISTING 600A/3P BREAKER WITH A NEW 800A/3P BREAKER TO SERVE ATS DPEQC AS SHOWN. REFER TO ONE-LINE SHEET E4.00 FOR TYPE OF BREAKER TO BE INSTALLED.
8. REPLACE EXISTING 600A FEEDER WITH A NEW 800A FEED AS SHOWN.



ELECTRICAL RISER DIAGRAM

LINE WEIGHT LEGEND
- SCREENED - EXISTING EQUIPMENT
- BOLD - NEW CONSTRUCTION
- DASHED- EQUIPMENT TO BE REMOVED

REVISION TO PARENT#15-916743 RSN#966198

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Erick B.*
Date: *Dec 16, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *15-1028456*

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Seals



THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 1	02/03/15
Revision 3	05/12/15

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By	CM
Checked By	KLW

Drawing Title

ELECTRICAL RISER DIAGRAM

Sheet Number

E0.03

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DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.

2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.

3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE', REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

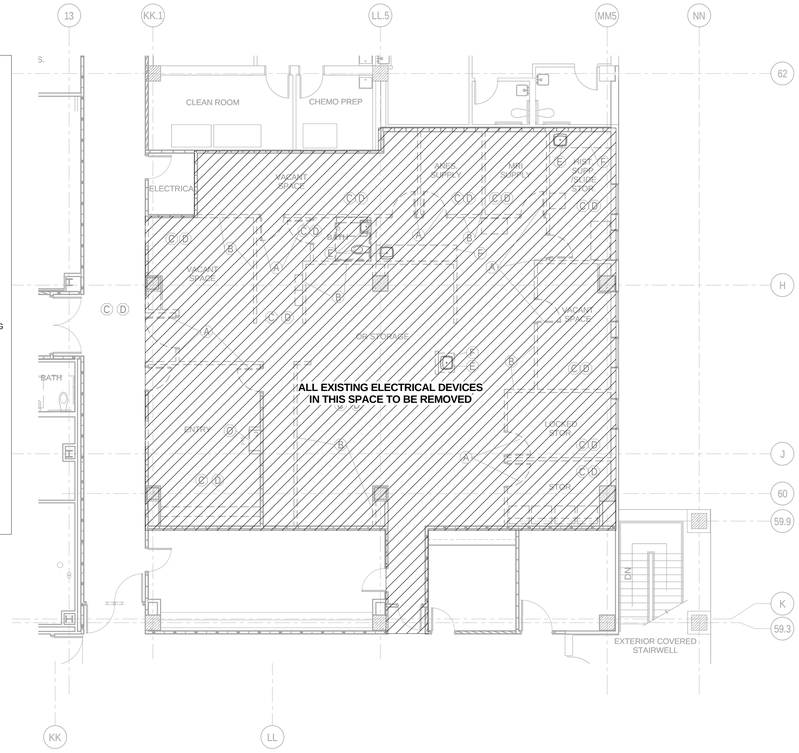
E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

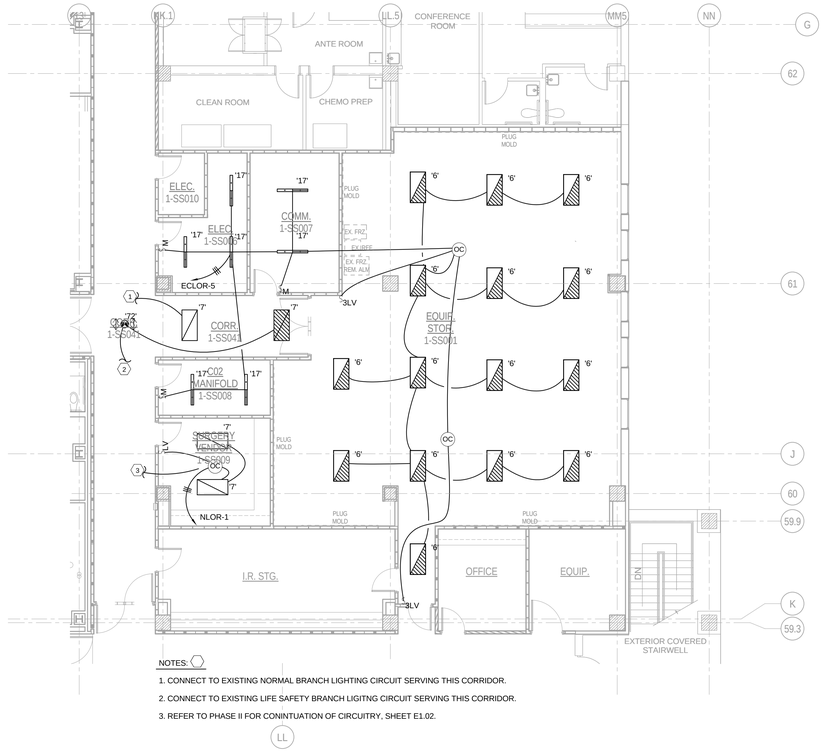
H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.



1 ELECTRICAL DEMOLITION PLAN - PHASE I

SCALE: 1/8" = 1'-0"



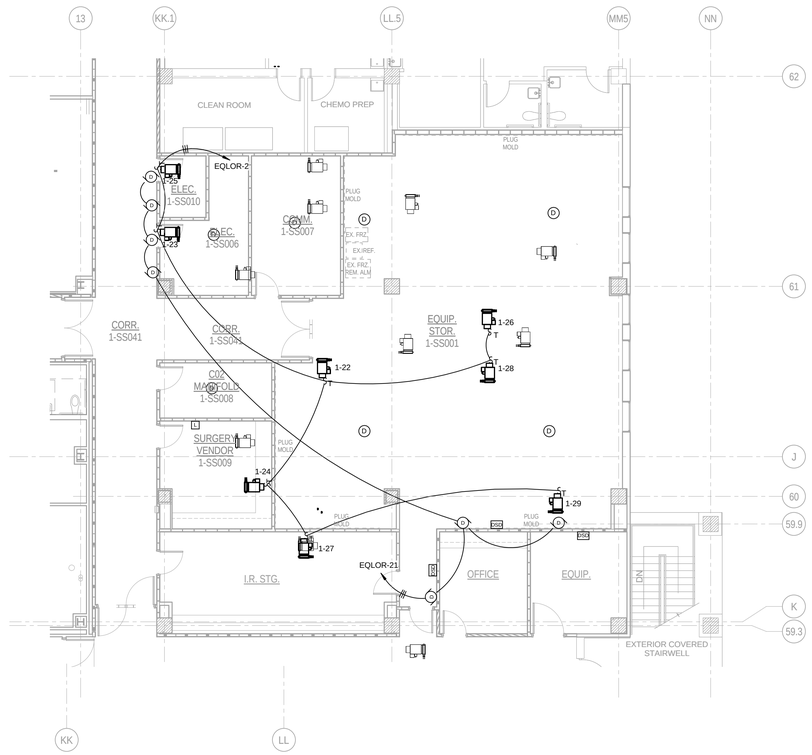
NOTES:

1. CONNECT TO EXISTING NORMAL BRANCH LIGHTING CIRCUIT SERVING THIS CORRIDOR.
2. CONNECT TO EXISTING LIFE SAFETY BRANCH LIGITNG CIRCUIT SERVING THIS CORRIDOR.
3. REFER TO PHASE II FOR CONINTUATION OF CIRCUITRY, SHEET E1.02.

2 LIGHTING PLAN - PHASE I

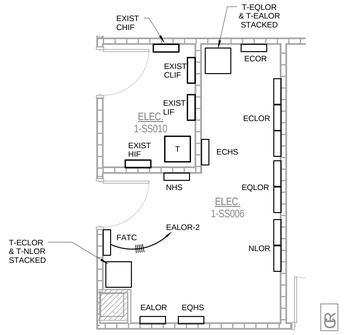
SCALE: 1/8" = 1'-0"

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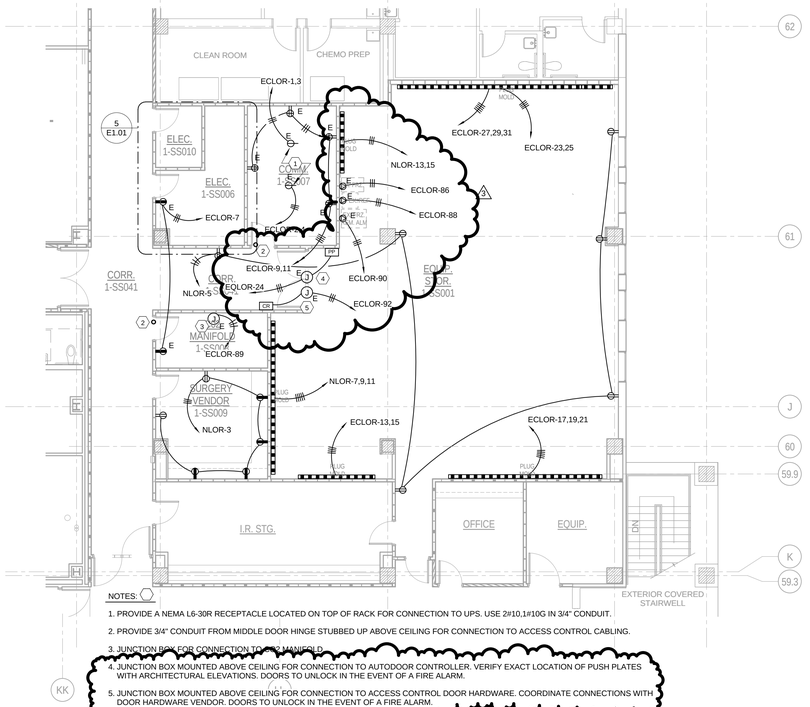
4 SYSTEMS PLAN - PHASE I

SCALE: 1/8" = 1'-0"



5 ENLARGED ELEC. ROOM 1-SS006

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



NOTES:

1. PROVIDE A NEMA L6-30R RECEPTACLE LOCATED ON TOP OF RACK FOR CONNECTION TO UPS. USE 2#10,1#10G IN 3/4" CONDUIT.
2. PROVIDE 3/4" CONDUIT FROM MIDDLE DOOR HINGE STUBBED UP ABOVE CEILING FOR CONNECTION TO ACCESS CONTROL CABLING.
3. JUNCTION BOX FOR CONNECTION TO C02 MANIFOLD.
4. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO AUTODOOR CONTROLLER. VERIFY EXACT LOCATION OF PUSH PLATES WITH ARCHITECTURAL ELEVATIONS. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.
5. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO ACCESS CONTROL DOOR HARDWARE. COORDINATE CONNECTIONS WITH DOOR HARDWARE VENDOR. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.

3 POWER PLAN - PHASE I

SCALE: 1/8" = 1'-0"

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Erick B.*
Date: *Dec 16, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

REVISION TO PARENT#15-916743 RSN#966198

RSN: *1066039*
Permit #: *15-1028456*

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ICT Project No. 140316

Seals



THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 2	03/04/15
Revision 3	05/12/15

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By	Checked By KLW

Drawing Title

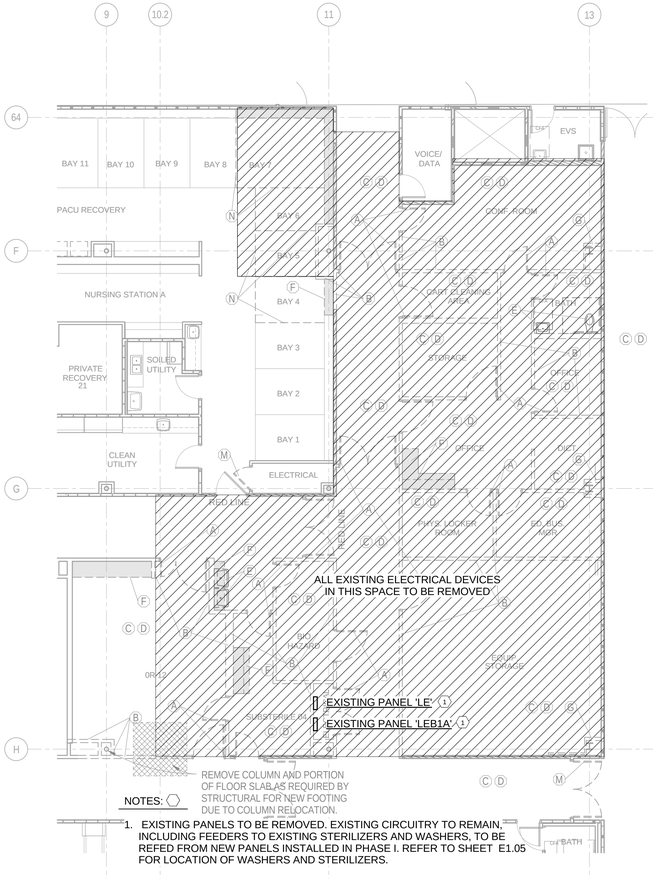
ELECTRICAL PHASE I

Sheet Number

E1.01

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NOTES:

REMOVE COLUMN AND PORTION OF FLOOR SLAB AS REQUIRED BY STRUCTURAL FOR NEW FOOTING DUE TO COLUMN RELOCATION.

1. EXISTING PANELS TO BE REMOVED. EXISTING CIRCUITRY TO REMAIN, INCLUDING FEEDERS TO EXISTING STERILIZERS AND WASHERS, TO BE REFED FROM NEW PANELS INSTALLED IN PHASE I. REFER TO SHEET E1.05 FOR LOCATION OF WASHERS AND STERILIZERS.

1 ELECTRICAL DEMOLITION PLAN - PHASE II

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.

2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.

3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE'. REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

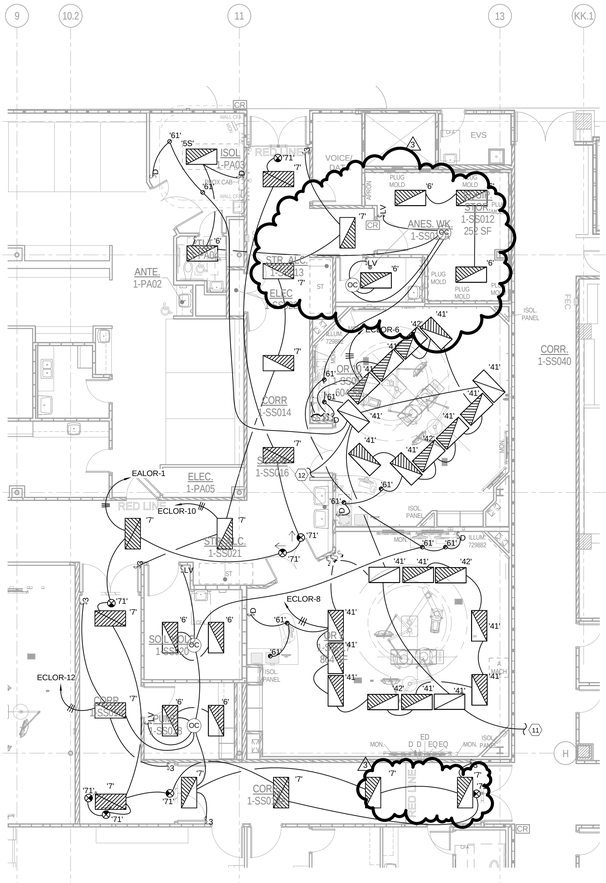
E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

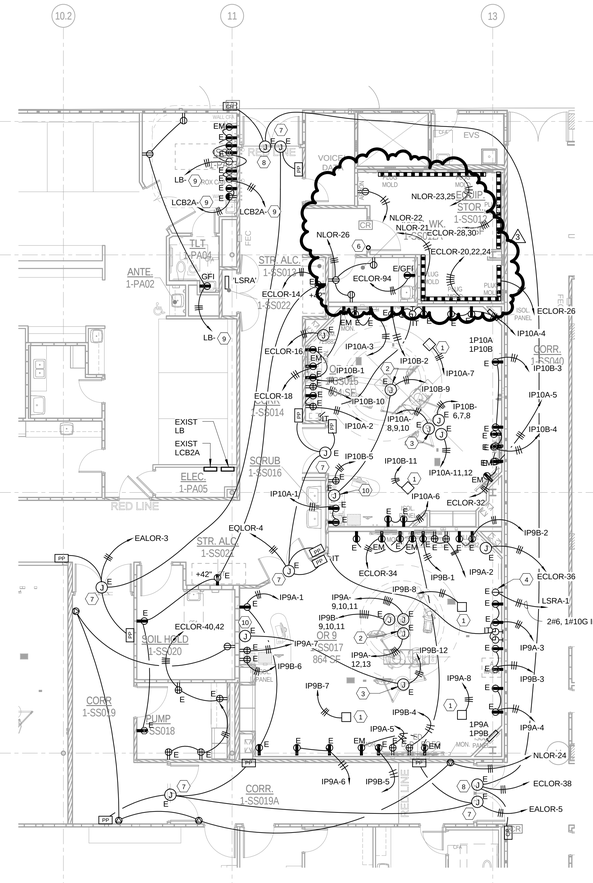
J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.



2 LIGHTING PLAN - PHASE II

SCALE: 1/8" = 1'-0"

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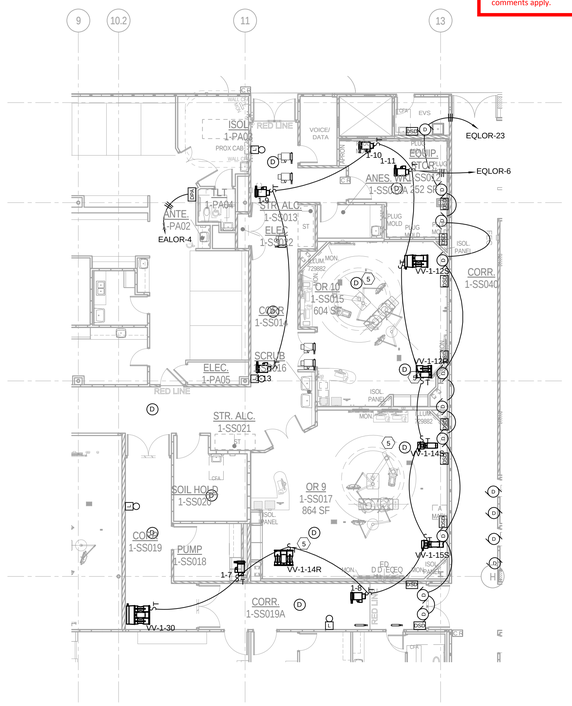


3 POWER PLAN - PHASE II

SCALE: 1/8" = 1'-0"

NOTES:

1. PROVIDE A HOSPITAL GRADE CHEMETRON NO. 82-31-5100 RETRACTABLE CORD REEL WITH TWO HOSPITAL GRADE DUPLEX RECEPTACLES.
2. JUNCTION BOX ABOVE CEILING FOR CONNECTION TO ANESTHESIA BOOM.
3. JUNCTION BOX ABOVE CEILING FOR CONNECTION TO SURGICAL LIGHT BOOM.
4. PROVIDE A NEMA L6-50R RECEPTACLE IN A REMOTE RECEPTACLE POWER MODULE WITH CONTROLS AND REMOTE INDICATOR FOR CONNECTION TO LASER.
5. SMOKE DETECTOR TO INITIATE SMOKE EVAC. REFER TO MECHANICAL PLANS FOR SEQUENCE OF OPERATIONS.
6. PROVIDE 3/4" CONDUIT FROM MIDDLE DOOR HINGE STUBBED UP ABOVE CEILING FOR ACCESS CONTROL CABLING.
7. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO AUTODOOR CONTROLLER. VERIFY EXACT LOCATION OF PUSH PLATES WITH ARCHITECTURAL ELEVATIONS. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.
8. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO ACCESS CONTROL DOOR HARDWARE. COORDINATE FINAL CONNECTIONS WITH DOOR HARDWARE VENDOR. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.
9. CONNECT TO A NEW 20A/1P CIRCUIT BREAKER IN EXISTING PANEL SHOWN.
10. JUNCTION BOX FOR CONNECTION TO SURGICAL LIGHT POWER SUPPLY AND CONTROL PANEL.
11. REFER TO PHASE I FOR CONTINUATION OF CIRCUITRY, SHEET E1.01.
12. REFER TO PHASE III FOR CONTINUATION OF CIRCUITRY, SHEET E1.03.



4 SYSTEMS PLAN - PHASE II

SCALE: 3/32" = 1'-0"

REVISION TO PARENT#15-916743 RSN#966198

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Erick B.*
Date: *Dec 16, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

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COLORADO REGISTERED PE 46154 5/12/15 PROFESSIONAL ENGINEER

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 3	05/12/15

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By CM	Checked By KLW

Drawing Title

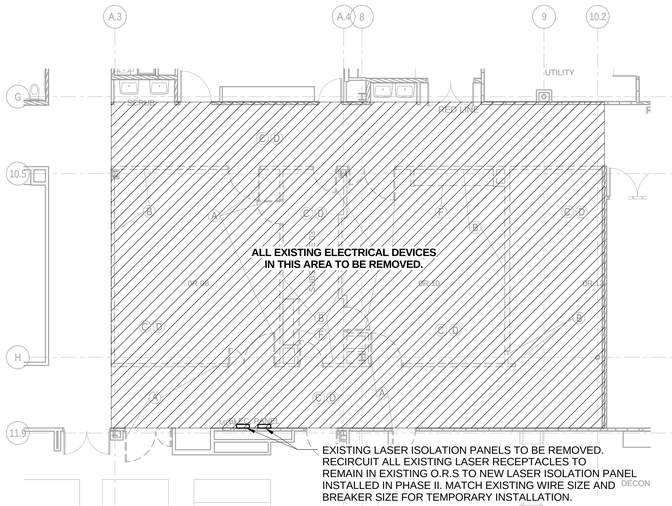
ELECTRICAL PHASE II

Sheet Number

E1.02

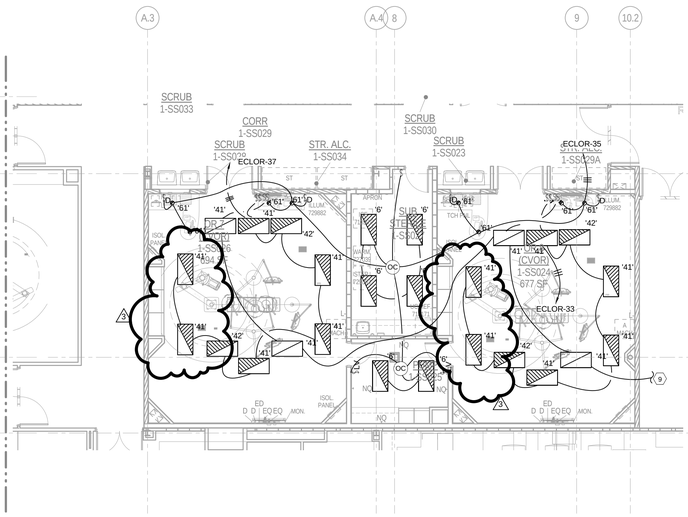
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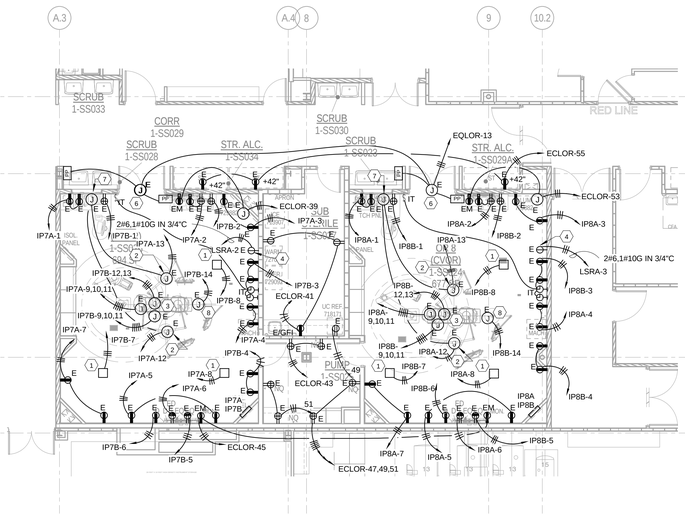
1 ELECTRICAL.DEMOLITION PLAN - PHASE III

SCALE: 1/8" = 1'-0"



2 LIGHTING PLAN - PHASE III

SCALE: 1/8" = 1'-0"



3 POWER PLAN - PHASE III

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.
2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.
3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE'. REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

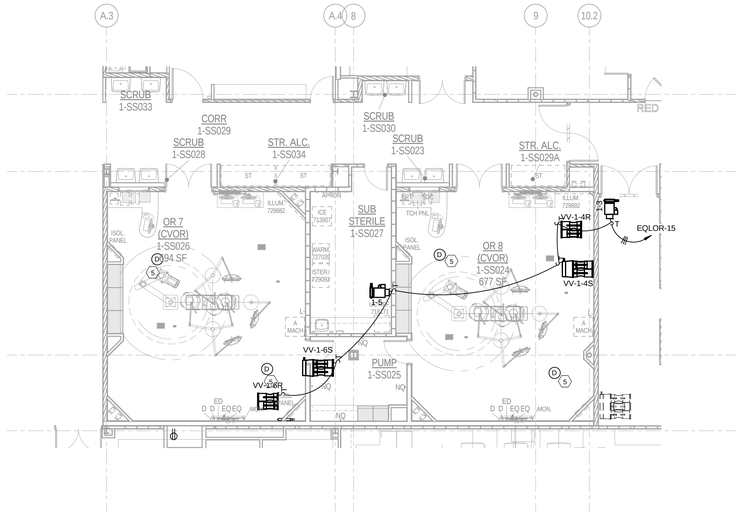
E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.



4 SYSTEMS PLAN - PHASE III

SCALE: 1/8" = 1'-0"

NOTES:

1. PROVIDE A HOSPITAL GRADE CHEMETRON NO. 82-31-5100 RETRACTABLE CORD REEL WITH TWO HOSPITAL GRADE DUPLEX RECEPTACLES.
2. JUNCTION BOX ABOVE CEILING FOR CONNECTION TO ANESTHESIA BOOM.
3. JUNCTION BOX ABOVE CEILING FOR CONNECTION TO SURGICAL LIGHT BOOM.
4. PROVIDE A NEMA L6-50R RECEPTACLE IN A REMOTE RECEPTACLE POWER MODULE WITH CONTROLS AND REMOTE INDICATOR FOR CONNECTION TO LASER.
5. SMOKE DETECTOR TO INITIATE SMOKE EVAC. REFER TO MECHANICAL PLANS FOR SEQUENCE OF OPERATIONS.
6. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO AUTODOOR CONTROLLER. VERIFY EXACT LOCATION OF PUSH PLATES WITH ARCHITECTURAL ELEVATIONS. DOORS TO UNLOCK IN THE EVENT OF A FIRE ALARM.
7. JUNCTION BOX FOR CONNECTION TO SURGICAL LIGHT POWER SUPPLY AND CONTROL PANEL.
8. JUNCTION BOX FOR CONNECTION TO FLAT PANEL BOOM.
9. REFER TO SHEET E1.02 FOR CONTINUATION OF CIRCUITRY.

Only highlighted or clouded revisions are approved on this review. All previous comments apply.

REVISION TO PARENT#15-916743 RSN#966198

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Erick B.*
Date: *Dec.16, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *15-1028456*

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ICT Project No. 140316

Seals



THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 3	05/12/15

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
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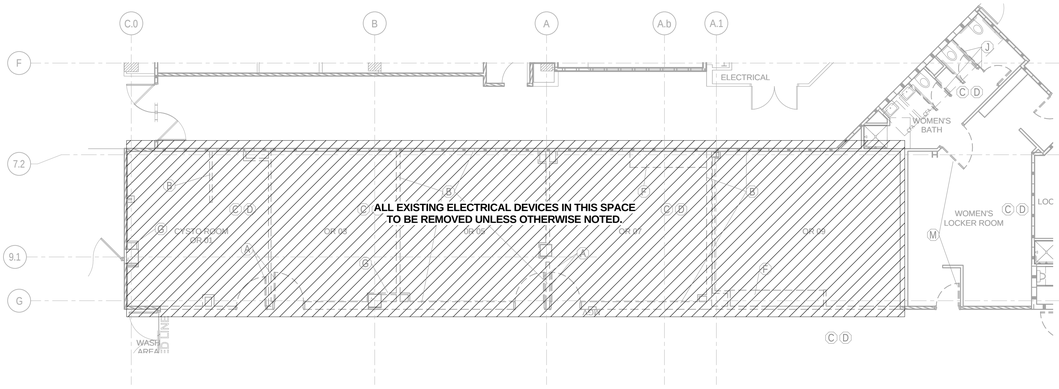
Drawing Title

ELECTRICAL PHASE III

Sheet Number

E1.03

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1 ELECTRICAL.DEMOLITION PLAN - PHASE VI

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

1. CONDUIT FEEDING EQUIPMENT FROM SLAB TO BE CUT OFF BELOW SLAB AND ABANDONED WITH HOLE IN SLAB BEING PATCHED BACK TO MATCH EXISTING.
2. CONDUIT FEEDING EQUIPMENT FROM ABOVE DROPPED CEILING TO BE DISCONNECTED AND REMOVED BACK TO SOURCE. DAMAGE TO CEILINGS TO BE REPLACED OR REPAIRED TO MATCH EXISTING.
3. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING FEED-THROUGH CIRCUITRY WHERE EXISTING ELECTRICAL EQUIPMENT HAS BEEN REMOVED FROM MIDPOINT OF CIRCUIT, NEW WIRE TO BE PULLED THE ENTIRETY OF CIRCUIT.

C. EXISTING CIRCUIT BREAKERS FEEDING EXISTING LIGHTING, RECEPTACLES, OR EQUIPMENT, WHERE ENTIRE CIRCUIT HAS BEEN REMOVED, TO BE LABELED AS 'SPARE'. REUSE 'SPARE' CIRCUIT BREAKERS WHERE NOTED ON DRAWINGS.

D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

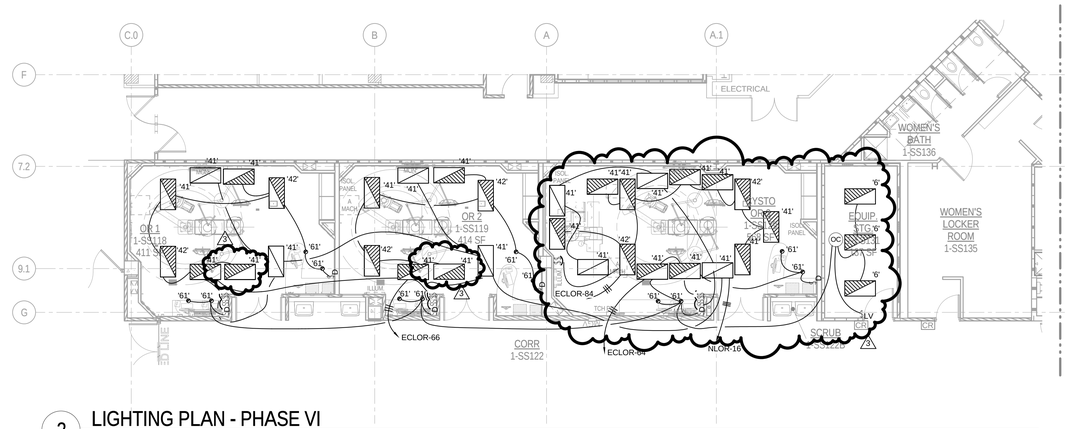
E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED; AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

G. CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL EXISTING CIRCUITRY TO REMAIN.

H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

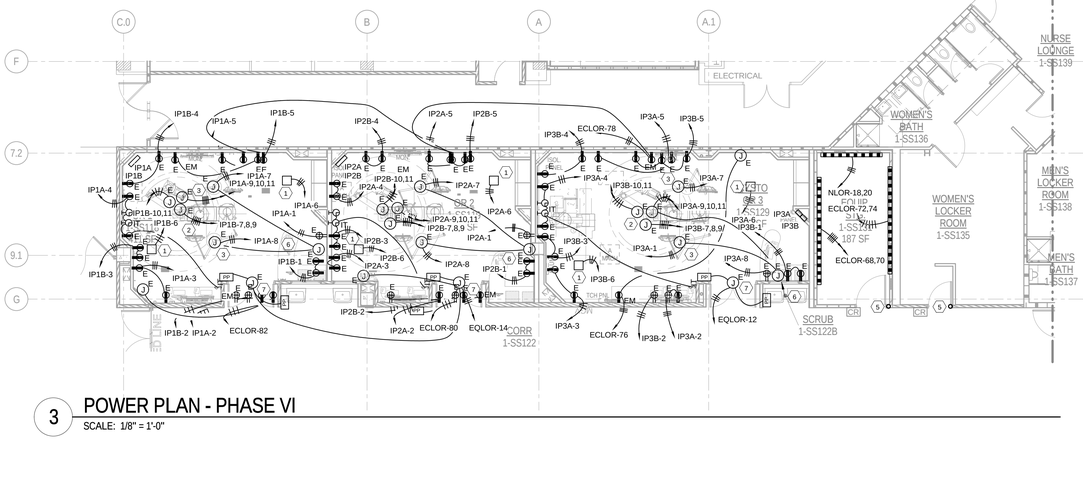
J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.



2 LIGHTING PLAN - PHASE VI

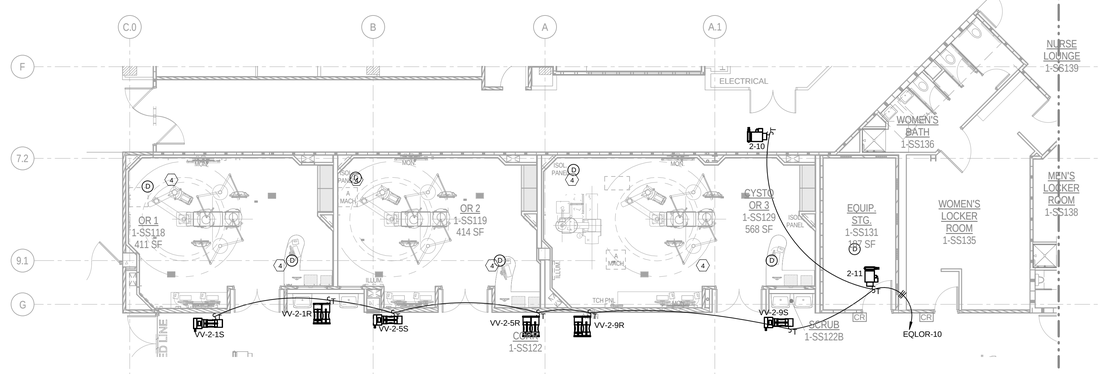
SCALE: 1/8" = 1'-0"

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3 POWER PLAN - PHASE VI

SCALE: 1/8" = 1'-0"



4 SYSTEMS PLAN - PHASE VI

SCALE: 1/8" = 1'-0"

NOTES:

1. PROVIDE HOSPITAL GRADE CHEMETRON #82-31-5100 RETRACTABLE CORD REEL WITH TWO HOSPITAL GRADE DUPLEX RECEPTACLES.
2. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO EQUIPMENT BOOM.
3. JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO SURGICAL LIGHT.
4. SMOKE DETECTOR TO INITIATE SMOKE EVAC. REFER TO MECHANICAL PLANS FOR SEQUENCE OF OPERATIONS.
5. PROVIDE 3/4" CONDUIT FROM MIDDLE OF DOOR HINGE STUBBED UP ABOVE CEILING FOR CONNECTION TO ACCESS CONTROL CABLING.
6. JUNCTION BOX FOR CONNECTION TO SURGICAL LIGHT POWER SUPPLY AND CONTROL PANEL.
7. JUNCTION BOX ABOVE CEILING FOR CONNECTION TO AUTODOOR CONTROLLER. VERIFY EXACT LOCATION OF PUSHPLATES WITH ARCHITECTURAL ELEVATIONS. DOORS TO UNLOCK IN THE EVENT OF FIRE ALARM.
8. JUNCTION BOX ABOVE CEILING FOR CONNECTION TO ACCESS CONTROL DOOR HARDWARE. COORDINATE CONNECTIONS WITH DOOR HARDWARE VENDOR. DOORS TO UNLOCK IN THE EVENT OF FIRE ALARM.

REVISION TO PARENT#15-916743 RSN#966198

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Erick B.*
Date: *Dec 16, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

RSN: *1066039*
Permit #: *15-1028456*

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ICT Project No. 140316

Seals

COLLEEN O. MEHLAND — PE-46154 — 5/12/15 — PROFESSIONAL ENGINEER

THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 2	03/04/15
Revision 3	05/12/15

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By CM	Checked By KLW

Drawing Title

ELECTRICAL PHASE VI

Sheet Number

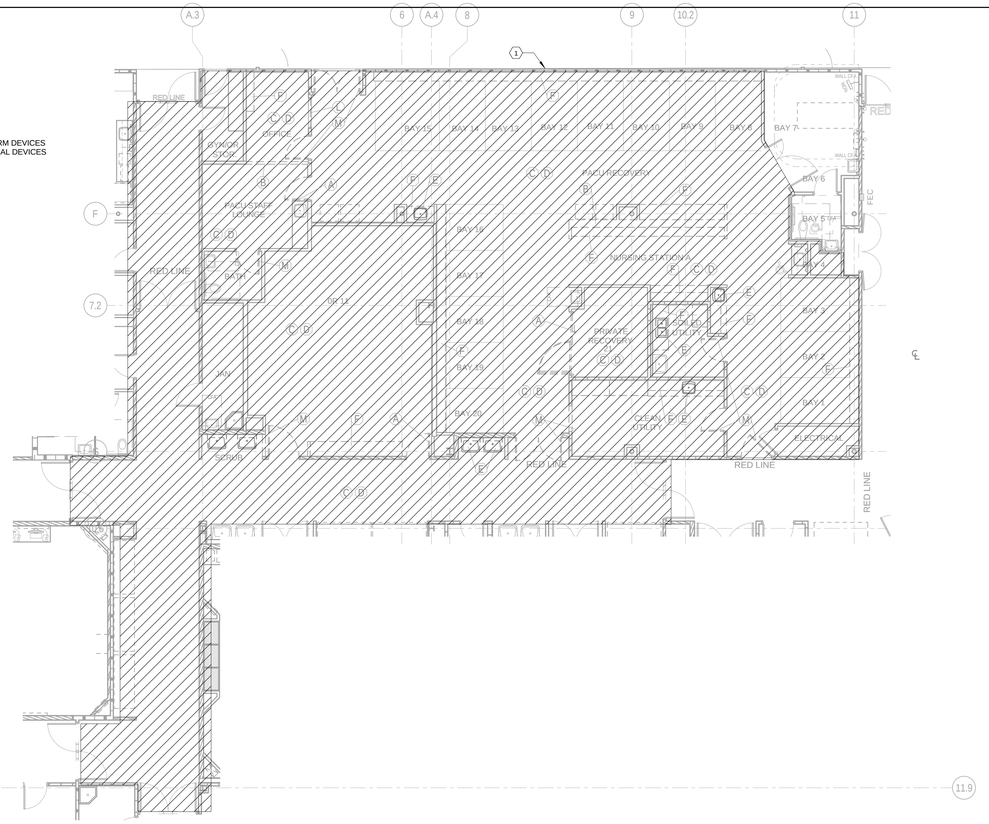
E1.06

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NOTES:

1. ALL LIGHTING AND CEILING MOUNTED FIRE ALARM DEVICES TO BE REMOVED. ALL WALL MOUNTED ELECTRICAL DEVICES ARE TO REMAIN.



1 ELECTRICAL.DEMOLITION PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES:

A. CONTRACTOR TO REFER TO ELECTRICAL LEGEND FOR DESCRIPTION OF EXISTING ELECTRICAL ITEMS SHOWN ON DEMOLITION DRAWINGS.

B. CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT FROM EXISTING WALLS BERING REMOVED UNDER THIS CONTRACT. ALL EXISTING CONDUIT AND WIRING FEEDING ELECTRICAL EQUIPMENT TO BE REMOVED OR TERMINATED AS DESCRIBED BELOW:

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D. ALL EXISTING WALLS, CEILINGS, FLOOR SLABS, ETC. BEING CUT OR DAMAGED UNDER THIS CONTRACT TO BE PATCHED BACK TO MATCH EXISTING FINISH AND FIRE PROTECTION RATINGS.

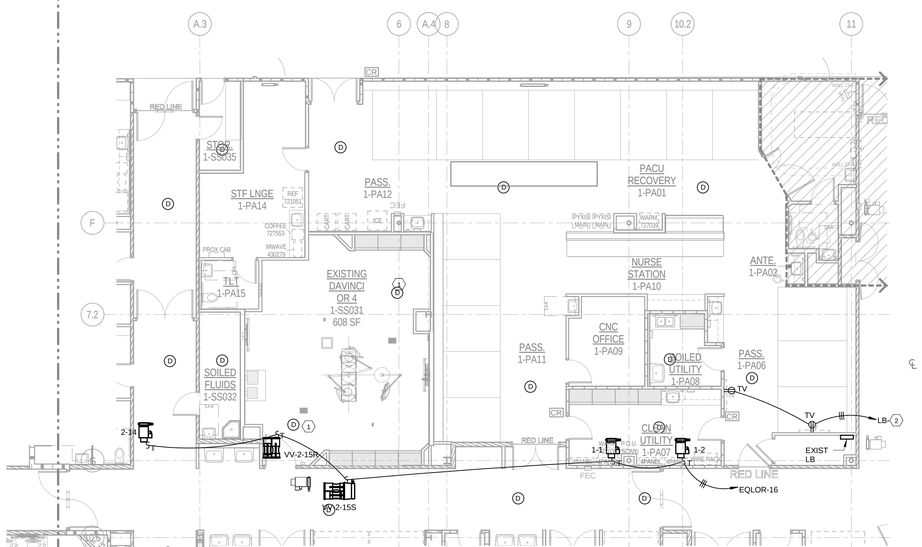
E. ALL EXISTING LIGHTING FIXTURES BEING RELOCATED TO BE TAKEN DOWN, CLEANED, BALLASTS, LENSES AND LAMPS REPLACED AS REQUIRED, AND RELOCATED WHERE SHOWN ON LIGHTING PLANS.

F. ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. BEING REMOVED AND NOT BEING RELOCATED, TO BE CLEANED AND TURNED OVER TO THE OWNER'S REPRESENTATIVE.

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H. ALL ELECTRICAL EQUIPMENT SHOWN IS FROM ORIGINAL CONTRACT DOCUMENTS AND IS TO BE USED AS GUIDE FOR POSSIBLE EQUIPMENT LOCATIONS. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND QUANTITIES.

J. SOME EXISTING SERVICES NOT OTHERWISE DISTURBED MAY ALSO REQUIRE RELOCATION IN ORDER TO ACCOMMODATE NEW DUCTWORK, PIPING, ETC., FOR EXAMPLE RELOCATION OF EXISTING BRANCH CIRCUITS MAY REQUIRE TO ACCOMMODATE MAJOR DUCT RUNS.



GENERAL NOTE:

NONE OF THE WALLS WERE MOVED OR ALTERED AS PART OF THIS PHASE. ALL WALL MOUNTED FIRE ALARM DEVICES ARE EXISTING TO REMAIN.

NOTES:

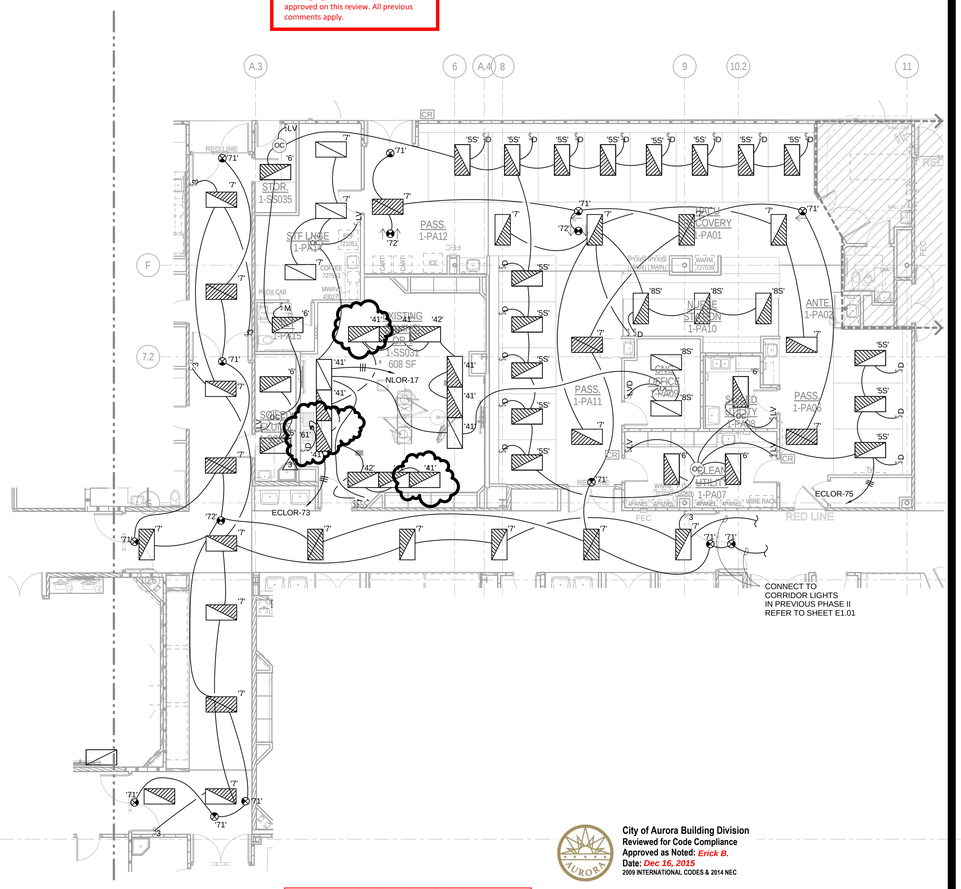
1. SMOKE DETECTOR TO INITIATE SMOKE EVAC. REFER TO MECHANICAL PLANS FOR SEQUENCE OF OPERATION.

2. CONNECT TO A NEW 20A/1P CIRCUIT BREAKER IN EXISTING PANEL SHOWN.

3 SYSTEMS PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"

Only highlighted or clouded revisions are approved on this review. All previous comments apply.



City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Erick B.*
Date: *Dec 16, 2015*
2009 INTERNATIONAL CODES & 2014 NEC

REVISION TO PARENT#15-916743 RSN#966198

RSN: *1066039*
Permit #: *15-1028456*

2 LIGHTING PLAN - PHASE VII-A

SCALE: 1/8" = 1'-0"

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Seals



THE MEDICAL CENTER OF AURORA RENOVATIONS

1501 S POTOMAC ST, AURORA, CO 80012

DOCUMENT CHANGES

Description	Date
Revision 3	05/12/15

Issue Description	CONSTRUCTION DOCUMENTS
Issue Date	2014-12-30
Project No	14077.00
Drawn By CM	Checked By KLW

Drawing Title

ELECTRICAL PHASE VII-A

11.9

Sheet Number

E1.07A

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5/13/2015 8:57:28 AM

PANEL: EALDR | DC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): 150A MCB | CONTINUOUS(A): 225
LOCATION: | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | BUS SC RATING(A): 10000
FED FROM: T-EALDR SEC | VOLTAGE: 208/120 | FAULT CURRENT(A): 2322

DC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	DC AMPS P
20 1		CORRIDOR	LTS	1330	1	1830			2	500	GEN	FATC		20 1
20 1		AUTO DOORS	EQ	500	3		700		4	200	EQ	DPA		20 1
20 1		AUTO DOORS	EQ	500	5			500	6		0	SPARE		20 1
20 1		CORRIDOR	LTS	760	7	760			8		0	SPARE		20 1
20 1		AUTO DOORS	EQ	750	9		750		10		0	SPARE		20 1
0 1		SPACE	SPACE	0	11			0	12		0	SPARE		20 1
0 1		SPACE	SPACE	0	13	0			14		0	SPARE		0 1
0 1		SPACE	SPACE	0	15		0		16		0	SPARE		0 1
0 1		SPACE	SPACE	0	17			0	18		0	SPARE		20 1
0 1		SPACE	SPACE	0	19	0			20		0	SPARE		0 1
0 1		SPACE	SPACE	0	21		0		22		0	SPARE		0 1
0 1		SPACE	SPACE	0	23			0	24		0	SPARE		0 1
0 1		SPACE	SPACE	0	25	0			26		0	SPARE		0 1
0 1		SPACE	SPACE	0	27		0		28		0	SPARE		0 1
0 1		SPACE	SPACE	0	29			0	30		0	SPARE		0 1
0 1		SPACE	SPACE	0	31	0			32		0	SPARE		0 1
0 1		SPACE	SPACE	0	33		0		34		0	SPARE		0 1
0 1		SPACE	SPACE	0	35			0	36		0	SPARE		0 1
0 1		SPACE	SPACE	0	37	0			38		0	SPARE		0 1
0 1		SPACE	SPACE	0	39		0		40		0	SPACE		0 1
0 1		SPACE	SPACE	0	41			0	42		0	SPACE		0 1

ALL CONNECTED	KVA	MAX PH AMPS
TOTAL CONNECTED	4.54	21.6
TOTAL DEMAND	4.08	20.9
TOTAL DESIGN	4.60	25.3

× PHASE TOTALS	VA	AMPS
× A-N	2590.0	21.6
× B-N	1450.0	12.1
× C-N	500.0	4.2

BUS TOTALS	KVA
CONNECTED	4.54
DEMAND	4.08
DESIGN	4.60

PANEL: ECHS | DC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): 400A MLO | CONTINUOUS(A): 400
LOCATION: | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | BUS SC RATING(A): 35000
FED FROM: EXIST CR | VOLTAGE: 480/277 | FAULT CURRENT(A): 7184

DC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	DC AMPS P
35 1		ISD PNL 1E1B	REC	7500	1	20000			2	25000	REC	ISD PNL L5RA		70 2
35 1		ISD PNL 1E2B	REC	7500	3		20000		4	-	-	" "		" "
35 1		ISD PNL 1E3B	REC	7500	5			7500	6		0	SPACE		0 1
35 1		ISD PNL 1E4B	REC	7500	7	7500			8		0	SPACE		0 1
35 1		ISD PNL 1E5B	REC	7500	9		7500		10		0	SPACE		0 1
35 1		ISD PNL 1E6B	REC	7500	11			7500	12		0	SPACE		0 1
35 1		ISD PNL 1E7B	REC	7500	13	7500			14		0	SPACE		0 1
35 1		ISD PNL 1E8B	REC	7500	15		7500		16		0	SPACE		0 1
35 1		ISD PNL 1E9B	REC	7500	17			7500	18		0	SPACE		0 1
35 1		ISD PNL 1E10B	REC	7500	19	7500			20		0	SPACE		0 1
0 1		SPACE		0	21		0		22		0	SPACE		0 1
0 1		SPACE		0	23			0	24		0	SPACE		0 1
0 1		SPACE		0	25	0			26		0	SPACE		0 1
0 1		SPACE		0	27		0		28		0	SPACE		0 1
0 1		SPACE		0	29			0	30		0	SPACE		0 1
110 1		T-CLIC FDR	NONE	78120	31	26040			32		0	SPACE		0 1
" "		" "		-	33		26040		34		0	SPACE		0 1
" "		" "		-	35			26040	36		0	SPACE		0 1
110 3		T-ECLDR FDR	NONE	86218	37	34179			38	16320	NONE	T-CLIDS FDR		110 3
" "		" "		-	39		34179		40	-	-	" "		" "
" "		" "		-	41			34179	42	-		" "		" "

ALL CONNECTED	KVA	MAX PH AMPS
TOTAL CONNECTED	280.66	370.7
TOTAL DEMAND	98.33	124.9
TOTAL DESIGN	106.59	134.8

× PHASE TOTALS	VA	AMPS
× A-N	102719.3	370.7
× B-N	95219.3	343.6
× C-N	82719.3	298.5

BUS TOTALS	KVA
CONNECTED	280.66
DEMAND	98.33
DESIGN	106.59

PANEL: ECLDR | DC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): 250A MCB | CONTINUOUS(A): 400
LOCATION: | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | BUS SC RATING(A): 10000
FED FROM: T-ECLDR SEC | VOLTAGE: 208/120 | FAULT CURRENT(A): 4728

DC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	DC AMPS P
30 2		UPS	EQ	4000	1	4000			2	4000	EQ	UPS		30 2
" "		" "		-	3		4000		4	-	-	" "		" "
20 1		ELECTRICAL ROOM	LTS	1760	5			3488	6	1728	LTS	D.R. 10		20 1
20 1		ELECTRICAL ROOM	REC	360	7	2088			8	1728	LTS	D.R. 9		20 1
20 1		COMM ROOM	REC	720	9		1800		10	1080	LTS	CORRIDOR		20 1
20 1		COMM ROOM	REC	720	11			1736	12	1036	LTS	CORRIDOR		20 1
20 1	PLUGMOLD	EQUIP STORAGE	REC	900	13	1620			14	720	REC	CORRIDOR		20 1
20 1	PLUGMOLD	EQUIP STORAGE	REC	900	15		1400		16	500	REC	D.R. 10 FILM ILLUM		20 1
20 1	PLUGMOLD	EQUIP STORAGE	REC	1200	17			1700	18	500	REC	D.R. 10 MONITORS		20 1
20 1	PLUGMOLD	EQUIP STORAGE	REC	1200	19	2400			20	1200	REC	EQUIP STORAGE	PLUGMOLD	20 1
20 1	PLUGMOLD	EQUIP STORAGE	REC	1200	21		2400		22	1200	REC	EQUIP STORAGE	PLUGMOLD	20 1
20 1	PLUGMOLD	EQUIP STORAGE	REC	864	23			2064	24	1200	REC	EQUIP STORAGE	PLUGMOLD	20 1
20 1	PLUGMOLD	EQUIP STORAGE	REC	864	25	1944			26	1080	REC	EQUIP STORAGE	PLUGMOLD	20 1
20 1	PLUGMOLD	EQUIP STORAGE	REC	864	27		1764		28	900	REC	EQUIP STORAGE	PLUGMOLD	20 1
20 1	PLUGMOLD	EQUIP STORAGE	REC	864	29			1764	30	900	REC	EQUIP STORAGE	PLUGMOLD	20 1
20 1	PLUGMOLD	EQUIP STORAGE	REC	864	31	1364			32	500	REC	D.R. 10 MONITORS		20 1
20 1		D.R. 8	LTS	1728	33		2728		34	1000	REC	D.R. 9 MONITORS		20 1
20 1		D.R. 8	LTS	680	35			1180	36	500	REC	D.R. 9 FILM ILLUM		20 1
20 1		D.R. 7	LTS	1728	37	1978			38	250	REC	AUTO DOORS		20 1
20 1	FILM ILLUMIN	D.R. 7	REC	360	39		1080		40	720	REC	PUMP ROOM		20 1
20 1		SUB STERILE	REC	540	41			1260	42	720	REC	PUMP ROOM		20 1
20 1		PUMP ROOM	REC	720	43	1760			44	1040	LTS	FEMALE LOCKERS		20 1
20 1	MONITORS	D.R. 7	REC	360	45		2088		46	1728	LTS	D.R. 5		20 1
20 1		PUMP ROOM	REC	720	47			2050	48	1330	LTS	CORRIDOR		20 1
20 1	U.C. REFRIG	PUMP ROOM	REC	1200	49	2928			50	1728	LTS	D.R. 6		20 1
20 1		PUMP ROOM	REC	720	51		1080		52	360	REC	D.R. 6	MONITORS	20 1
20 1	FILM ILLUMIN	D.R. 8	REC	360	53			720	54	360	REC	D.R. 6	FILM ILLUMIN	20 1
20 1		CORRIDOR	REC	540	55	900			56	360	REC	D.R. 5	FILM ILLUMIN	20 1
20 1		MAKE-UP	LTS	1440	57		2400		58	960	EQ	SUB STERILE	U.C. REFRIG	20 1
20 1		STERILE STORAGE	LTS	1780	59			2680	60	900	REC	CLEAN SUPPLY		20 1
20 1		ELEC ROOM	LTS	1600	61	1850			62	250	EQ	AUTO DOORS		20 1
20 1		D.R. 11	LTS	1800	63		3190		64	1390	LTS	D.R. 3		20 1
20 1		ELEC ROOM	REC	180	65			2020	66	1840	LTS	D.R. 2		20 1
20 1		STERILE STORAGE	REC	360	67	1620			68	1260	REC	EQUIP STORAGE	PLUG MOLD	20 1
20 1		CLEAN STORAGE	REC	720	69		1460		70	1260	REC	EQUIP STORAGE	PLUG MOLD	20 1
20 1		CLEAN STORAGE	REC	720	71			1980	72	1260	REC	EQUIP STORAGE	PLUG MOLD	20 1
20 1		D.R. 4	LTS	1600	73	2860			74	1260	REC	EQUIP STORAGE	PLUG MOLD	20 1
20 1		RECOVERY	LTS	1424	75		1784		76	360	REC	D.R. 3	FILM ILLUMIN	20 1
20 1		RECOVERY	LTS	1420	77			1960	78	540	REC	D.R. 3	MONITOR	20 1
20 1		RECOVERY	LTS	1420	79	1780			80	540	REC	D.R. 3	MONITOR	20 1
20 1		NURSE STATION	REC	720	81		1080		82	540	REC	D.R. 3		20 1
20 1		NURSE STATION	REC	720	83			1080	84	960	LTS	D.R. 3		20 1
20 1	AUTODOOR	D.R. 11	EQ	250	85	1450			86	1200	EQ	EXIST FREEZER		20 1
20 1	MONITOR	D.R. 11	REC	200	87		1400		88	1200	EQ	EXIST REFRIGERATOR		20 1
20 1		CO2 MANIFOLD	EQ	200	89			1600	90	1200	EQ	EXIST FREEZER		20 1
20 1		POWER POLE	REC	720	91	970			92	250	REC	AUTO DOORS		20 1
20 1		POWER POLE	REC	720	93		900		94	1080	REC	EXIST CLOCK		20 1
20 1		POWER POLE	REC	720	95			1440	96	540	REC	SPACE WORK		20 1
20 1		POWER POLE	REC	720	97	720			98	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	99			0	100	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	101			0	102	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	103	0			104	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	105		0		106	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	107			0	108	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	109	0			110	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	111		0		112	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	113			0	114	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	115	0			116	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	117		0		118	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	119			0	120	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	121	0			122	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	123		0		124	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	125			0	126	0	SPACE	SPACE		0 1

ALL CONNECTED	KVA	MAX PH AMPS
TOTAL CONNECTED	91.21	268.4
TOTAL DEMAND	62.17	180.5
TOTAL DESIGN	70.66	203.1

× PHASE TOTALS	VA	AMPS
× A-N	32232.0	268.4
× B-N	30554.0	254.4
× C-N	28422.0	236.7

BUS TOTALS	KVA
CONNECTED	91.21
DEMAND	62.17
DESIGN	70.66

PANEL: ECDR | DC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): 150A MLO | CONTINUOUS(A): 225
LOCATION: | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | BUS SC RATING(A): 35000
FED FROM: EXIST CBDP | VOLTAGE: 480/277 | FAULT CURRENT(A): 4740

DC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	DC AMPS P
35 1		ISD PNL 1E1A	REC	7500	1	9167			2	5000	NONE	CH1C FDR		60 3
35 1		ISD PNL 1E2A	REC	7500	3		9167		4	" "		" "		" "
35 1		ISD PNL 1E3A	REC	7500	5			9167	6	-	-	" "		" "
35 1		ISD PNL 1E4A	REC	7500	7	7500			8	0		SPACE		0 1
35 1		ISD PNL 1E5A	REC	7500	9		7500		10	0		SPACE		0 1
35 1		ISD PNL 1E6A	REC	7500	11			7500	12	0		SPACE		0 1
35 1		ISD PNL 1E7A	REC	7500	13	7500			14	0		SPACE		0 1
35 1		ISD PNL 1E8A	REC	7500	15		7500		16	0		SPACE		0 1
35 1		ISD PNL 1E9A	REC	7500	17			7500	18	0		SPACE		0 1
35 1		ISD PNL 1E10A	REC	7500	19	7500			20	0		SPACE		0 1
0 1		SPACE		0	21		0		22	0		SPACE		0 1
0 1		SPACE		0	23			0	24	0		SPACE		0 1
0 1		SPACE		0	25	0			26	0		SPACE		0 1
0 1		SPACE		0	27		0		28	0		SPACE		0 1
0 1		SPACE		0	29			0	30	0		SPACE		0 1
0 1		SPACE		0	31	0			32	0		SPACE		0 1
0 1		SPACE		0	33		0		34	0		SPACE		0 1
0 1		SPACE		0	35			0	36	0		SPACE		0 1
0 1		SPACE		0	37	0			38	0		SPACE		0 1
0 1		SPACE		0	39		0		40	0		SPACE		0 1
0 1		SPACE		0	41			0	42	0		SPACE		0 1

ALL CONNECTED	KVA	MAX PH AMPS
TOTAL CONNECTED	80.00	114.3
TOTAL DEMAND	30.00	39.7
TOTAL DESIGN	31.25	41.2

× PHASE TOTALS	VA	AMPS
× A-N	31666.7	114.3
× B-N	24166.7	87.2
× C-N	24166.7	87.2

BUS TOTALS	KVA
CONNECTED	80.00
DEMAND	30.00
DESIGN	31.25

PANEL: EQHS | DC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): 600A MLO | CONTINUOUS(A): 600
LOCATION: | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | BUS SC RATING(A): 42000
FED FROM: EXIST DPEQC | VOLTAGE: 480/277 | FAULT CURRENT(A): 15015

CUBICLE NO	DESCRIPTION	CONNECTED kVA	DEMAND kVA	DESIGN kVA	DESIGN MAX AMPS	OC DEVICE TYPE	OC DEVICE SIZE	P	NOTES
1	STERILIZER	1.44	0.86	0.86	1.04		15	3	
2	STERILIZER	1.44	0.86	0.86	1.04		15	3	
3	STERILIZER	1.44	0.86	0.86	1.04		15	3	
4	DECONTAM	8.16	5.71	5.71	6.87		25	3	
5	DECONTAM	8.16	5.71	5.71	6.87		25	3	
6	DECONTAM	8.16	4.08	4.08	4.91		25	3	
7	DECONTAM	3.36	2.35	2.35	2.83		15	3	
8	CART WASH	6.48	4.54	4.54	5.46		25	3	
9	RTU-3	7.98	5.58	5.58	6.72		40	3	
10	RTU-3	17.45	12.22	12.22	14.69		20	3	
11	CF-6	1.33	0.93	0.93	1.12		15	3	
12	ACC-1	232.68	162.88	162.88	195.91		350	3	
13	CF-4	1.75	1.22	1.22	1.47		15	3	
14	RTU-1	66.48	46.54	46.54	55.97		110	3	
15	RTU-1	23.27	16.29	16.29	19.59		45	3	
16	CF-2	1.33	0.93	0.93	1.12		15	3	
17	IEF-3	6.38	4.42	4.42	5.32		15	3	
18	RTU-2	66.48	46.54	46.54	55.97		110	3	
19	RTU-2	23.27	16.29	16.29	19.59		45	3	
20	T-EQLDR FDR	21.04	15.08	15.08	18.13		70	3	
21	AIR COMPRESSOR	33.26	33.26	41.57	50.00		80	3	
22	SPACE	0.00	0.00	0.00	0.00		0	3	
23	SPACE	0.00	0.00	0.00	0.00		0	3	
24	SPACE	0.00	0.00	0.00	0.00		0	3	
25	SPACE	0.00	0.00	0.00	0.00		0	3	

ALL CONNECTED	KVA	MAX PH AMPS
TOTAL CONNECTED	541.25	651.0
TOTAL DEMAND	387.14	465.7
TOTAL DESIGN	395.45	475.7

× PHASE TOTALS	VA	AMPS
× A-N	180417.7	651.0
× B-N	180417.7	651.0
× C-N	180417.7	651.0

BUS TOTALS	KVA
CONNECTED	541.25
DEMAND	387.14
DESIGN	395.45

PANEL: EQLDR | DC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): 150A MCB | CONTINUOUS(A): 225
LOCATION: | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | BUS SC RATING(A): 10000
FED FROM: T-EQLDR SEC | VOLTAGE: 208/120 | FAULT CURRENT(A): 3094

DC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	DC AMPS P
40 3		DECONTAM	MOTOR	5408	1	2603			2	800	HVAC	VAV		20 1
" "		" "		-	3		2303		4	500	EQ	DR AUTO DOORS		20 1
" "		" "		-	5			3003	6	1200	HVAC	VAV		20 1
20 1		STERILIZER CONTROLS	EQ	500	7	750			8	250	EQ	DR AUTO DOORS		20 1
20 1		WATER TREATMENT SYS	EQ	500	9		1300		10	800	HVAC	VAV		20 1
20 1		VAV	HVAC	1300	11			1550	12	250	EQ	DR AUTO DOORS		20 1
20 1		DR AUTO DOORS	EQ	500	13	1000			14	500	EQ	DR AUTO DOORS		20 1
20 1		VAV	HVAC	600	15		1100		16	500	HVAC	VAV		20 1
20 1		VAV	HVAC	1100	17			2276	18	1176	MOTOR	VEF-1		20 1
20 1		DR AUTO DOORS	EQ	500	19	1676			20	250	EQ	AUTO DOORS		20 1
20 1		FIRE/SMOKE DAMPERS	MOTOR	300	21		1476		22	1176	MOTOR	VEF-2		20 1
20 1		FIRE/SMOKE DAMPERS	MOTOR	1000	23			1930	24	250	EQ	AUTODOOR		20 1
20 1		FIRE/SMOKE DAMPERS	MOTOR	300	25	300			26	1200	EQ	EXIST FREEZER		20 1
20 1		FIRE/SMOKE DAMPERS	MOTOR	700	27		700		28	1200	EQ	EXIST REFRIGERATOR		20 1
0 1		SPACE	SPACE	0	29			0	30	0	SPACE	SPARE		20 1
0 1		SPACE	SPACE	0	31	0			32	0	SPACE	SPARE		20 1
0 1		SPACE	SPACE	0	33		0		34	0	SPACE	SPARE		20 1
0 1		SPACE	SPACE	0	35			0	36	0	SPACE	SPARE		20 1
0 1		SPACE	SPACE	0	37	0			38	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	39		0		40	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	41			0	42	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	43	0			44	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	45		0		46	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	47			0	48	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	49	0			50	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	51		0		52	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	53			0	54	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	55	0			56	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	57		0		58	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	59			0	60	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	61	0			62	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	63		0		64	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	65			0	66	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	67	0			68	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	69		0		70	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	71			0	72	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	73	0			74	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	75		0		76	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	77			0	78	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	79	0			80	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	81		0		82	0	SPACE	SPACE		0 1
0 1		SPACE	SPACE	0	83			0	84	0	SPACE	SPACE		0 1

ALL CONNECTED	KVA	MAX PH AMPS
TOTAL CONNECTED	28.29	89.7
TOTAL DEMAND	15.77	54.1
TOTAL DESIGN	17.62	61.6

× PHASE TOTALS	VA	AMPS
× A-N	10776.0	89.7
× B-N	9602.0	79.9
× C-N	7918.0	65.9

BUS TOTALS	KVA
CONNECTED	28.29
DEMAND	15.77
DESIGN	17.62

PANEL: NHS | DC DEVICE TYPE: Breaker | ENCLOSURE: NEMA 1 | MAINS(A): 225A MLO | CONTINUOUS(A): 225
LOCATION: | DEVICE FAMILY: Bolt On | MOUNTING: Surface | WIRING: 3-Phase 4-Wire | BUS SC RATING(A): 18000
FED FROM: EXIST NPDP | VOLTAGE: 480/277 | FAULT CURRENT(A): 7666

DC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE LOADS VA A	B	C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	DC AMPS P
80 3		EXIST RTU-97-9	MOTOR	33240	1	11080			2					
" "		" "		-	3		11080		4					
" "		" "		-	5			11080	6					
					7				8					
					9				10					
					11				12					
					13				14					
					15				16					
					17				18					
					19				20					
					21				22					
					23				24					
					25				26					
					27				28					
					29				30					
60 3		HIC FDR	NONE	4000	31	1333			32					
" "		" "		-	33		1333		34					
" "		" "		-	35			1333	36					
110 3		T-NLDR FDR	NONE	27754	37	24431			38	4554	0	T-L1C FDR		110 3
" "		" "		-	39		24431		40	-	-	" "		" "
" "		" "		-	41			24431	42	-		" "		" "

ALL CONNECTED	KVA	MAX PH AMPS
TOTAL CONNECTED	110.53	133.0
TOTAL DEMAND	57.86	69.6
TOTAL DESIGN	60.71	73.0

× PHASE TOTALS	VA	AMPS
× A-N	36844.7	133.0
× B-N	36844.7	133.0
× C-N	36