

GENERAL NOTES:

- 1. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MEASUREMENTS IN THE FIELD PRIOR TO STARTING CONSTRUCTION.
- 2. REFER TO GENERAL NOTES ON SHEET A0-00 FOR INFORMATION NOT INDICATED ON THIS SHEET.

FINISHES FLOOR PLAN NOTES:

- 1. LIMIT OF SV1 FINISH
- 2. LIMIT OF LVT1 FINISH

S F E I R
ARCHITECTS

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San Diego, CA 92101

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F: 619-299-5084
www.sfeirarch.com

TCMC SCHIFF
FAMILY NICU
RENOVATION

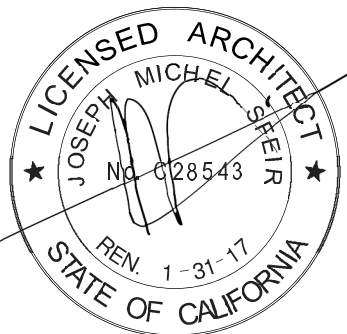
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STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC.
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ME&P: DESIGN WEST ENGINEERING
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TEL(619)330-6043



1	OSHPD COMMENTS	03.25.16
2	OSHPD COMMENTS	09.01.16
3	DESIGN CHANGES	09.01.16
4	OSHPD COMMENTS	12.22.16
5	OSHPD COMMENTS	03.03.17
6	DESIGN CHANGES	03.03.17
7	DESIGN CHANGES	04.14.17
REV	DESCRIPTION	DATE

CONSULTANT

OSHPD APPROVAL STAMP:

OSHPD #: S152912-37-00

SHEET TITLE:

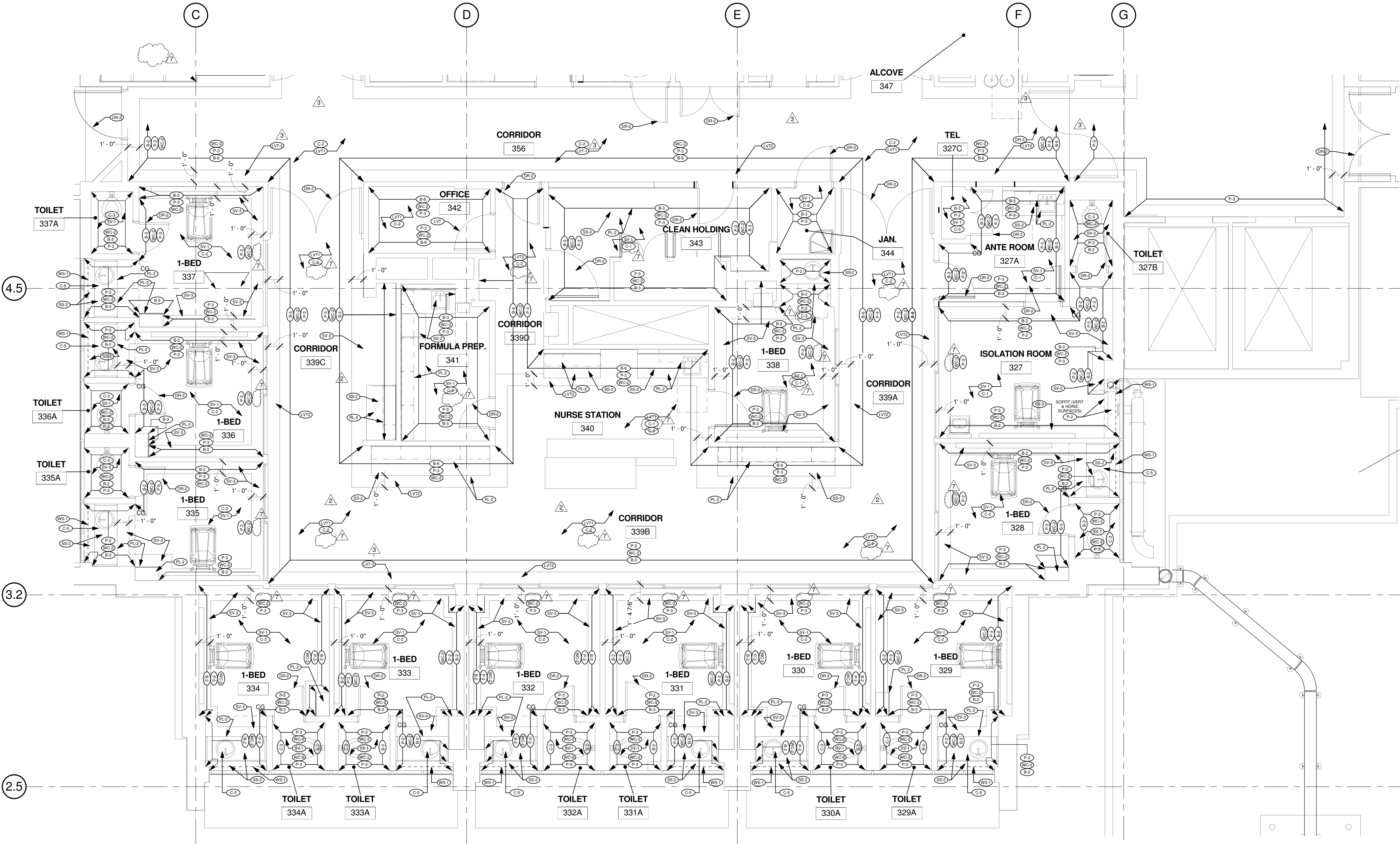
1/4" PARTIAL FINISHES
THIRD

PROJECT TITLE:
TCMC SCHIFF FAMILY NICU
RENOVATION

PROJECT #: 01549.01
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 11/13/15

ID-3

1 PARTIAL FINISH PLAN - NICU EXPANSION
1/4" = 1'-0"



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TCMC SCHIFF
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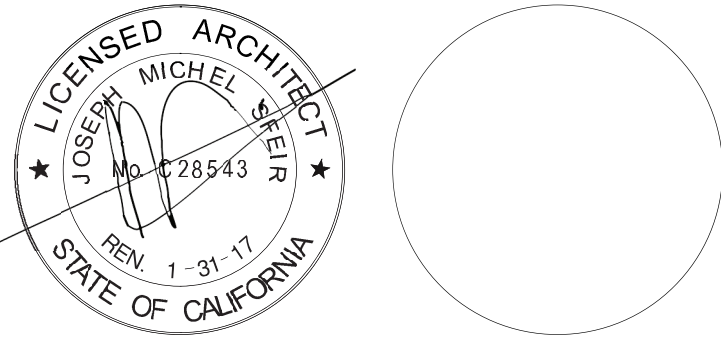
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5	5	OSHPD COMMENTS	03.03.17
6	6	DESIGN CHANGES	03.03.17
7	7	DESIGN CHANGES	04.14.17

REV	DESCRIPTION	DATE

CONSULTANT

OSHPD APPROVAL STAMP:
OSHPD #: S152912-37-00

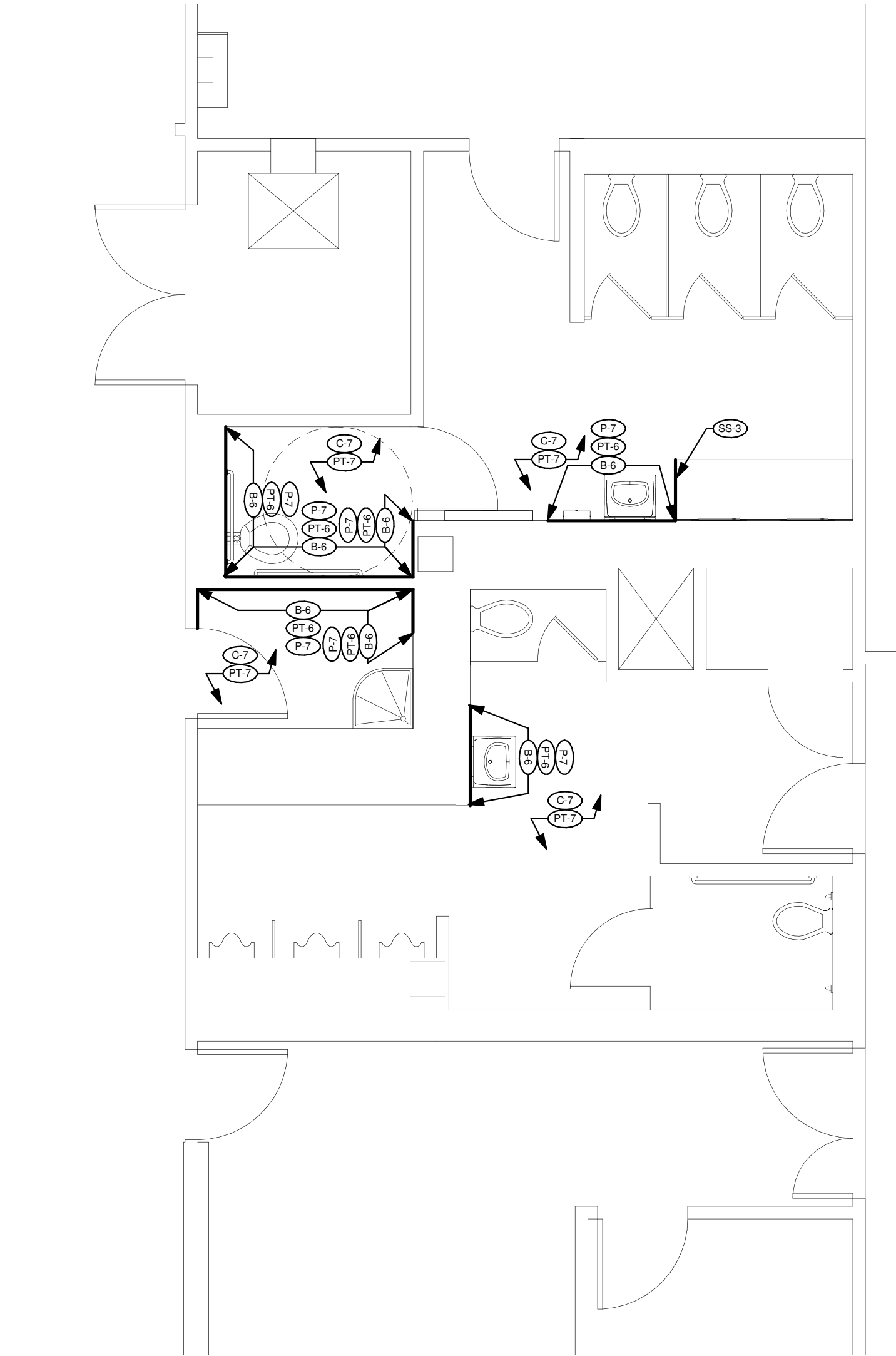
SHEET TITLE:
1/4" PARTIAL FINISHES
FIRST

PROJECT TITLE:
TCMC SCHIFF FAMILY NICU
RENOVATION

PROJECT #: 01549.01
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
DATE: 11/13/15

SHEET NUMBER:

ID-4



1 1/4" PARTIAL FIRST FINISH PLAN
1/4" = 1'-0"

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, SITE CONDITIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
2. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY CONFLICTS OR OMISSIONS BETWEEN THE WORKING DRAWINGS OR SPECIFICATIONS BEFORE PROCEEDING ANY WORK SO AFFECTED. A CLARIFICATION SHALL BE ISSUED FOR SUCH CONFLICTS. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
3. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR CONSTRUCTION REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES INCLUDE, BUT NOT LIMITED TO, BRACING, SHORING, TO INSURE THE VERTICAL AND LATERAL STABILITY OF THE STRUCTURE. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT AND STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS AND DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITIES.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS. THE ARCHITECT AND STRUCTURAL ENGINEER WILL NOT ENFORCE SAFETY MEASURES OR REGULATIONS.
5. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON THE DRAWINGS IN CASE OF CONFLICT.
6. ALL WORKS SHALL CONFORM TO THE STANDARDS OF THE 2010 CALIFORNIA BUILDING CODE.
7. A.S.T.M. SPECIFICATIONS NOTED ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.
8. NO STRUCTURAL SUBSTITUTIONS OR CHANGES SHALL BE MADE IN THE FIELD. WRITTEN APPROVAL MUST BE OBTAINED FROM THE STRUCTURAL MEMBER AND CORRESPONDING ANY SUBSTITUTIONS OR CHANGES FROM THE APPROVED CONSTRUCTION DOCUMENTS.
9. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A RESULT OF NEW WORK.

EXPANSION ANCHOR BOLTS

1. ALL FIELD INSTALLED CONCRETE EXPANSION ANCHORS SHALL BE HILTI KB-TZ ANCHORS.

ANCHOR TYPE	TORQUE	ICC-ES ESR#
3/8" HILTI KB TZ	25 FT-LBS	1917
2. ALL ANCHORS SHALL BE TESTED BASED ON THE FOLLOWING CRITERIA:

ANCHOR TYPE	TORQUE	ICC-ES ESR#
3/8" HILTI KB TZ ANCHOR	25 FT-LBS	1917

MINIMUM ANCHOR EMBEDMENT SHALL BE 2" FOR 3/8" (INSTALLED IN NORMAL WT. CONCRETE WITH $f'_c = 3000$ PSI)

WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS OR EMBEDDED PIPES AND CONDUITS IN THE SLAB BY USING A NON DESTRUCTIVE METHOD PRIOR TO INSTALLATION. WHEN INSTALLING THEM INTO PRESTRESSED CONCRETE (PRE OR POST TENSIONED) LOCATED THE PRESTRESSED TENDONS BY USING A NON DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION.

MAINTAIN 1" MINIMUM CLEARANCE BETWEEN EXISTING REINFORCEMENT AND THE EPOXY ANCHOR

APPLY PROOF TEST LOADS TO EPOXY ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. OTHERWISE, REMOVE THE NUT AND INSTALL A THREADED COUPLER UP TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TORQUE WRENCH AND APPLY THE LOAD.

TESTING SHOULD OCCUR A MINIMUM 24 HOURS AFTER INSTALLATION OF THE SUBJECTED ANCHORS. IF THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE IS LESS THAN THE TEST TORQUE, THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE SHOULD BE USED IN LIEU OF THE TEST TORQUE. ANCHOR DIAMETER REFERS TO THE THREAD SIZE.

REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED. PROVIDE THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY THE FIXTURE.

TEST EQUIPMENT INCLUDING TORQUE WRENCHES SHALL BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.

TEST METHODS, THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:

A). HYDRAULIC RAM METHOD:
ANCHORS TESTED WITH A HYDRAULIC JACK OR SPRING LOADED DEVICES SHALL MAINTAIN THE TEST LOAD FOR MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DISCREPABLE MOVEMENT DURING THE TENSION TEST, e.g., AS EVIDENCED BY LOOSENING OF THE WASHER UNDER NUT.

B). TORQUE WRENCH METHOD:
ANCHORS TESTED WITH A CALIBRATED TORQUE WRENCH MUST ATTAIN THE SPECIFIED TORQUE WITHIN $\frac{1}{2}$ TURN OF THE NUT.

EXCEPTIONS:
1. WEDGE OR SLEEVE TYPE:
ONE-QUARTER ($\frac{1}{4}$) TURN OF THE NUT FOR A $\frac{1}{2}$ IN. SLEEVE ANCHOR ONLY.
2. THREADED TYPE:
ONE QUARTER ($\frac{1}{4}$) TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD.

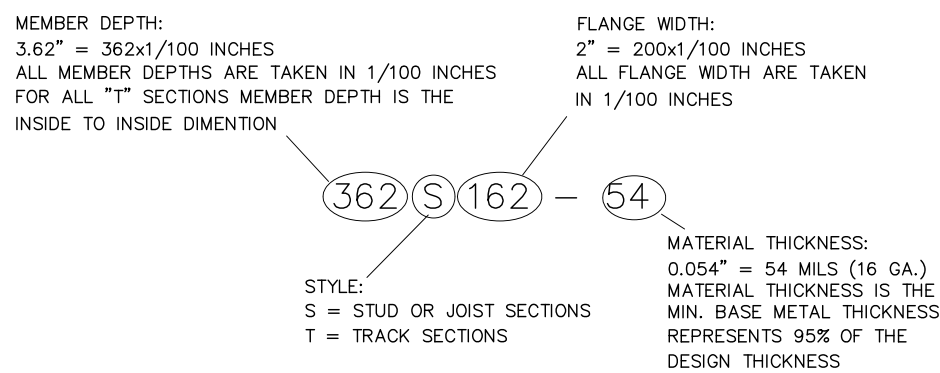
TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE EPOXY ANCHOR.

MINIMUM OF 50% OF THE INSTALLED ANCHOR SHALL BE TESTED. (ALTERNATE ANCHORS IN ANY GROUP ARRANGEMENT) IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY. TESTS SHALL BE PERFORMED PER CBC 2010, 1916A.7.

ALL TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE INSPECTOR OF RECORD.

COLD-FORMED STEEL FRAMING

1. DESIGN, MANUFACTURE AND INSTALLATION OF LIGHT GAGE, COLD-FORMED STEEL JOISTS, PURLINS AND STUDS, SHALL CONFORM WITH THE LATEST EDITION OF THE LIGHT GAGE, COLD-FORMED STEEL DESIGN MANUAL ISSUED BY THE AISI.
2. STRUCTURAL LIGHT GAUGE STUDS, TRACK, BRIDGING, AND ACCESSORIES SHALL COMPLY WITH STEEL STUD MANUFACTURERS ASSOCIATION ICBO ER-4943P STRUCTURAL LIGHT GAUGE CH STUDS, J RUNNER TRACK, AND ACCESSORIES SHALL COMPLY WITH DETRIECH METAL FRAMING ICC-ESR# 1166P
3. ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WITH AWS D1.1, CHAPTER 5, PART C, "WELDER QUALIFICATION". SEE LATEST EDITION OF THE AISI SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS FOR ALLOWABLE WELD VALUES.
4. FRAMING SHALL BE ERECTED PLUMB, LEVEL AND SQUARE. BRIDGING AND DIAGONAL TENSION STRAPS SHALL BE USED.
5. TEMPORARY BRACING SHALL BE PROVIDED AS REQUIRED UNTIL ERECTION IS COMPLETE AND SAFELY SECURED TO STRUCTURE.
6. COLD-FORMED STEEL YIELD STRENGTH (f_y) IS 33 KSI. IDENTIFICATION OF SSMA PRODUCTS



STRUCTURAL STEEL:

STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING U.N.O.:
STEEL CHANNELS AND ANGLES ASTM A36
STRUCTURAL TUBES A500, GRADE B
STEEL PLATE ASTM A36
STEEL BOLT ASTM A307

ALL STEEL MEMBERS TO BE PRIME PAINTED.

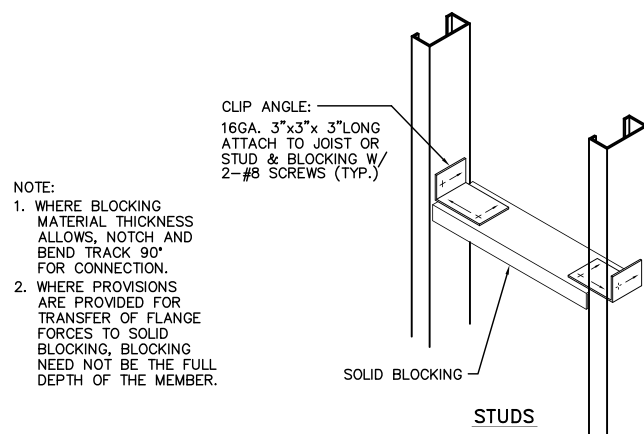
SEISMIC LOAD

SITE LOCATION:
LONGITUDE: 117.29778° WEST, LATITUDE: 33.18425° NORTH
DESIGN SPECTRAL RESPONSE ACCELERATION:
 $S_{D0.2} = 0.760$, $S_{D1.0} = 0.435$

SEISMIC IMPORTANCE FACTOR: $I_p = 1.5$

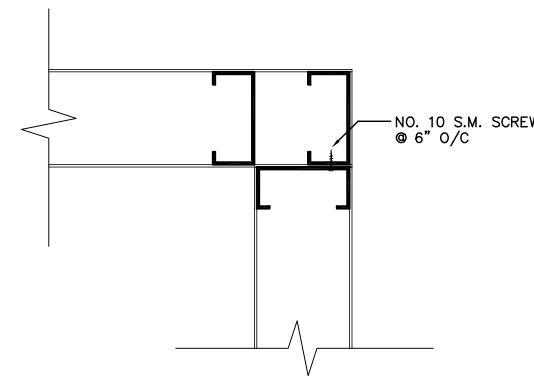
SEISMIC FORCE COEFFICIENTS:
 $\alpha_p = 1.0$, $R_p = 2.5$

SEISMIC DESIGN CATEGORY "D"



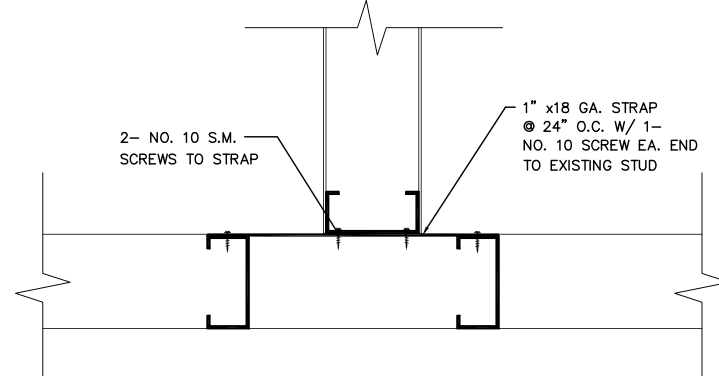
1 BLOCKING AT PARTITION

SCALE: NTS



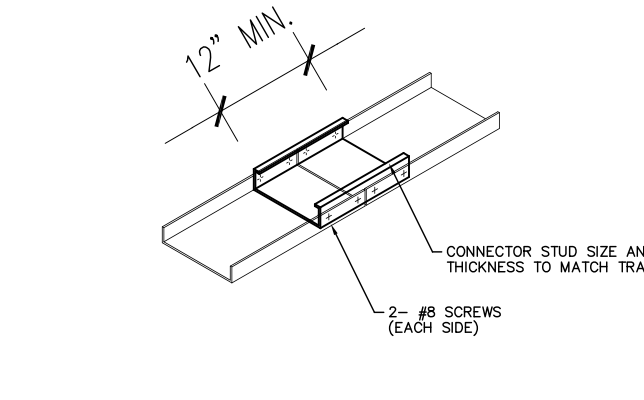
2 CORNER FRAMING

SCALE: NTS



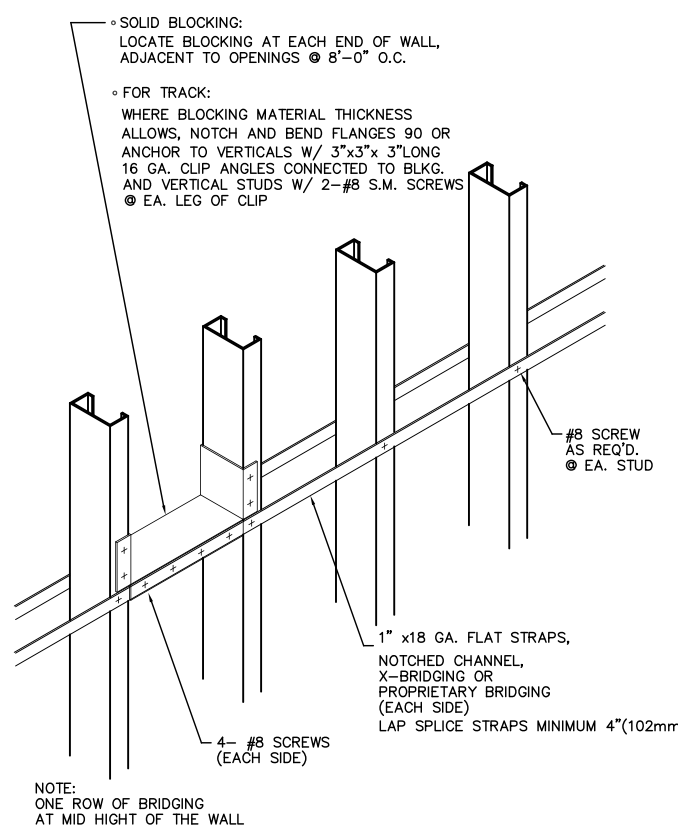
3 NEW WALL TO EXISTING WALL INTERSECTION FRAMING

SCALE: NTS



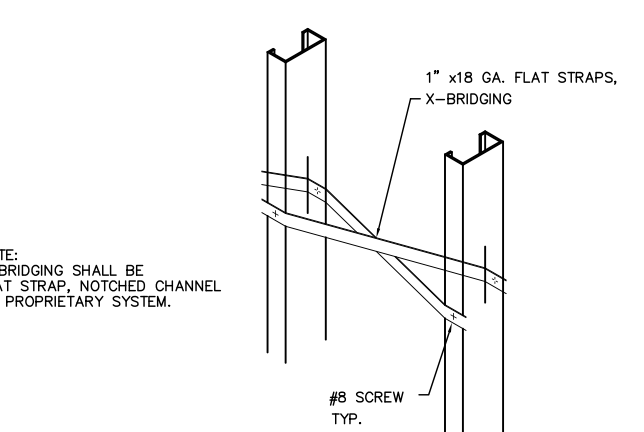
4 TOP & BOTTOM TRACK SPLICE

SCALE: NTS



6 WALL BRIDGING ALTERNATE

SCALE: NTS

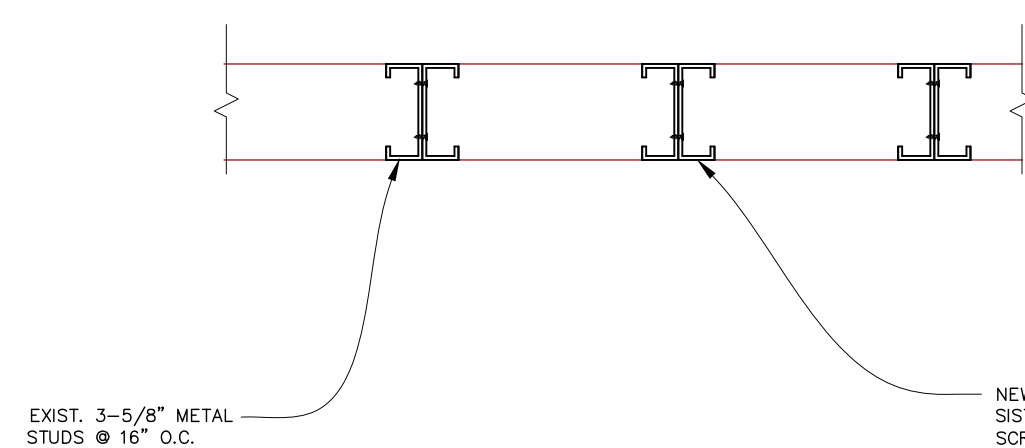


7 X-BRIDGING

SCALE: NTS

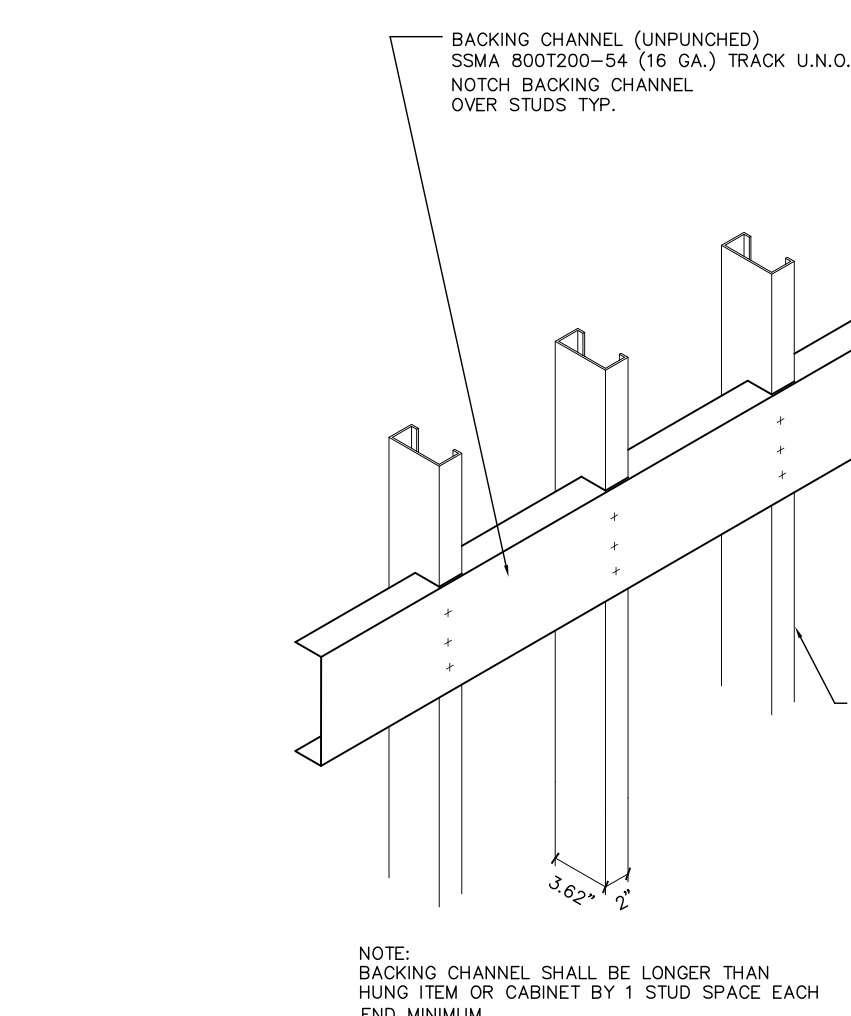
8 WALL BRIDGING

SCALE: NTS



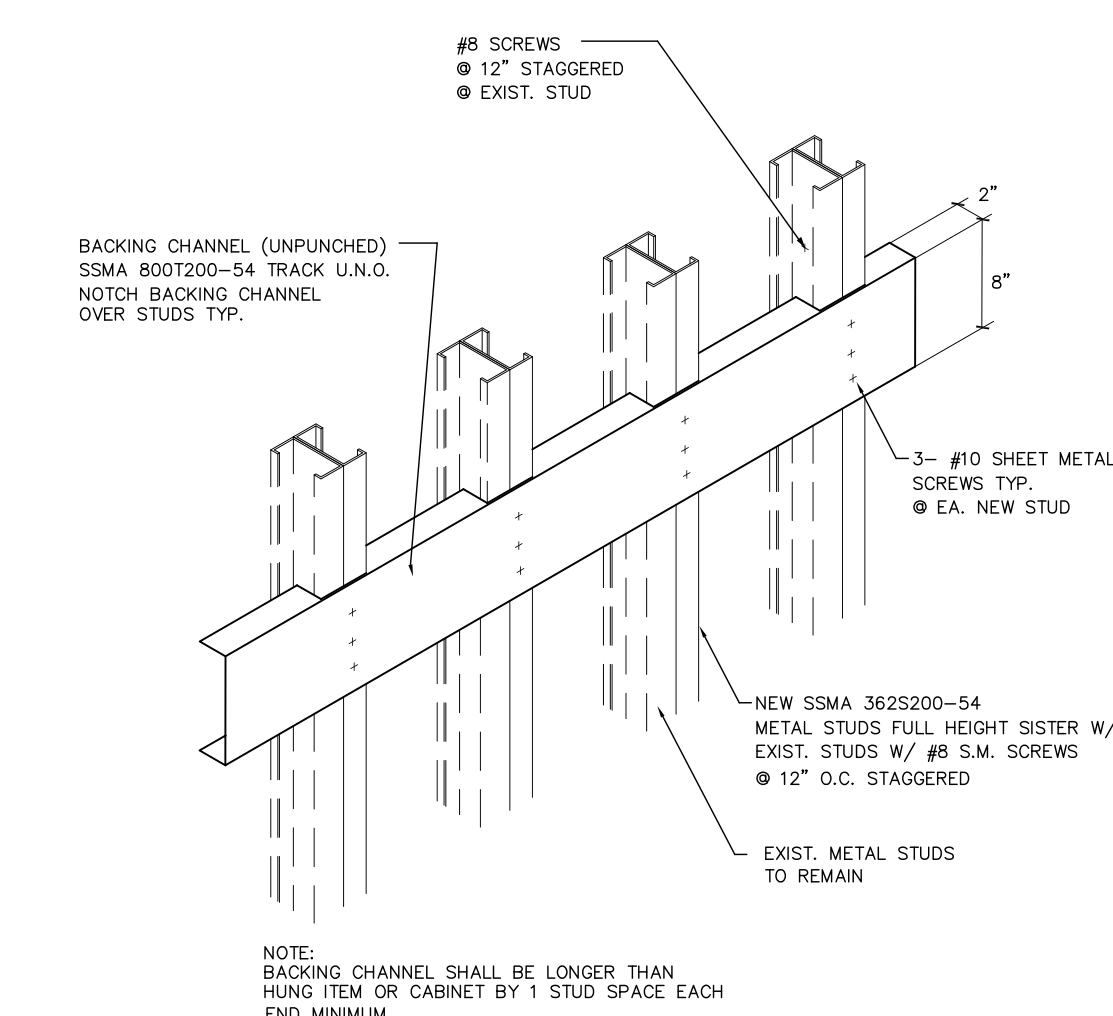
9 TYPICAL SISTER STUDS CONNECTION PLAN VIEW

SCALE: NTS



10 TYPICAL BACKING FOR CABINETS AND EQUIPMENT

A @ NEW STEEL STUDS WALL



B @ EXISTING STEEL STUDS WALL

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TCMC SCHIFF FAMILY NICU RENOVATION

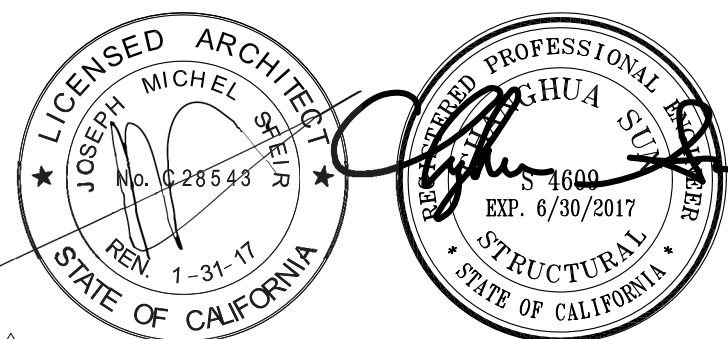
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OSHPD #: S152912-37-00

SHEET TITLE:

GENERAL NOTES TYPICAL DETAILS

PROJECT TITLE:
TCMC SCHIFF FAMILY NICU
RENOVATION

PROJECT #: 01549.01
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SHEET NUMBER: S-I

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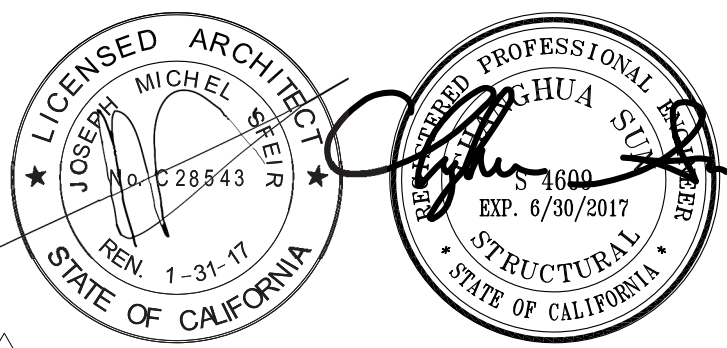
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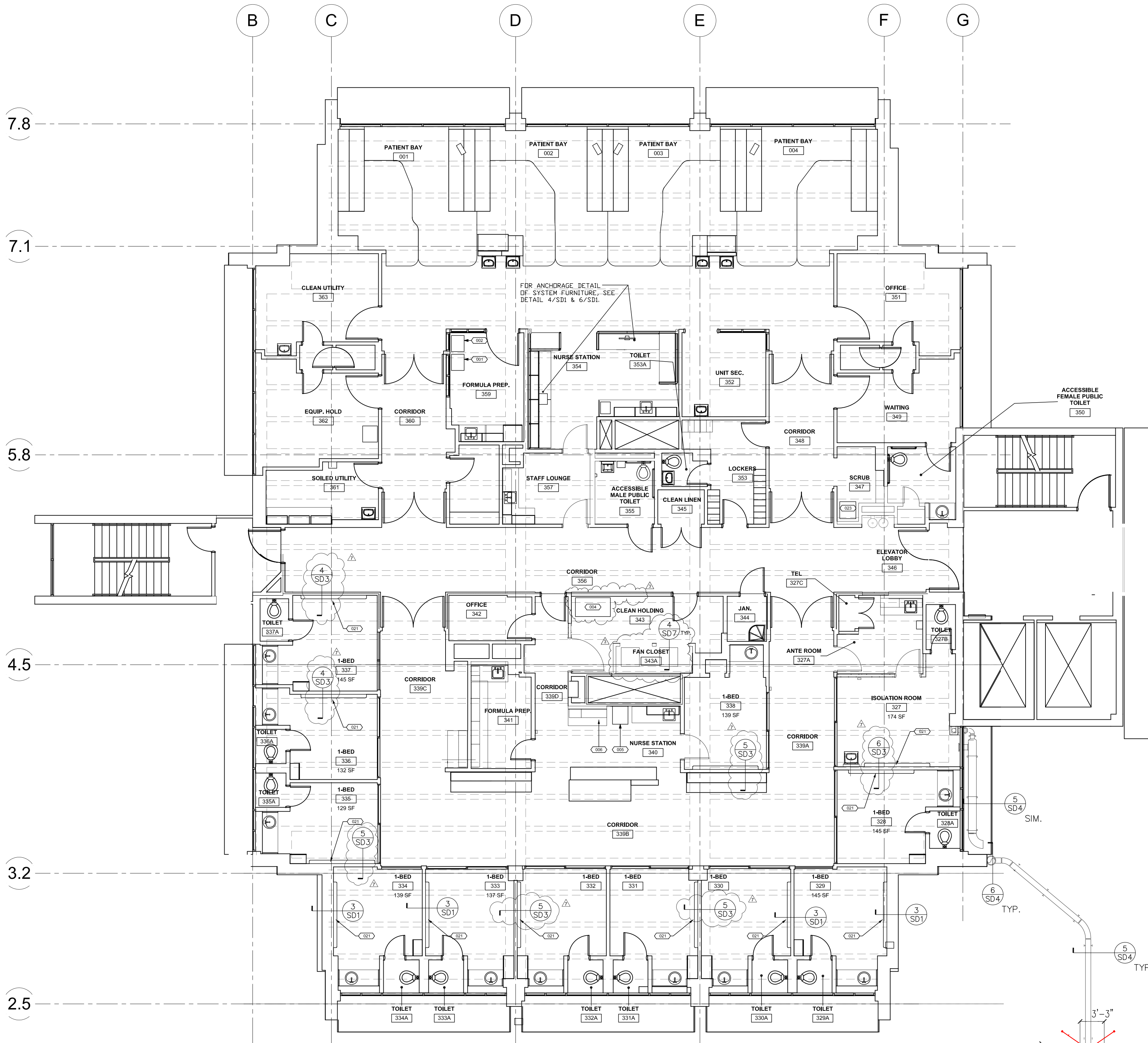
OSHPD APPROVAL STAMP:
OSHPD #: S152912-37-00

EXIST. 3RD FLOOR FRAMING PLAN

PROJECT TITLE:
TCMC SCHIFF FAMILY NICU
RENOVATION

PROJECT #: 01549.01
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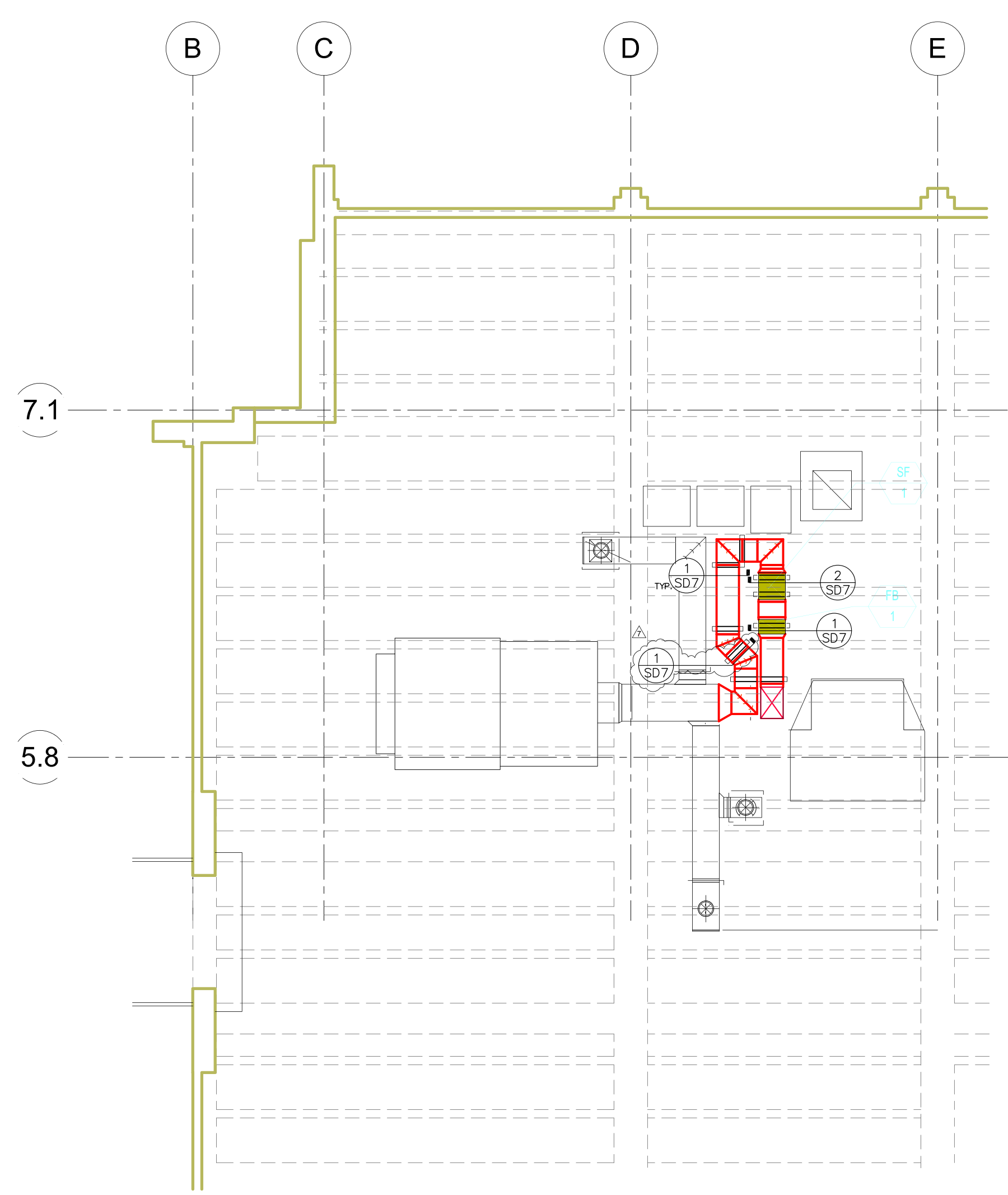
SHEET NUMBER:
S-2



NORTH
EXISTING 3RD FLOOR FRAMING PLAN
SCALE: 1/8"=1'-0"

GENERAL NOTES

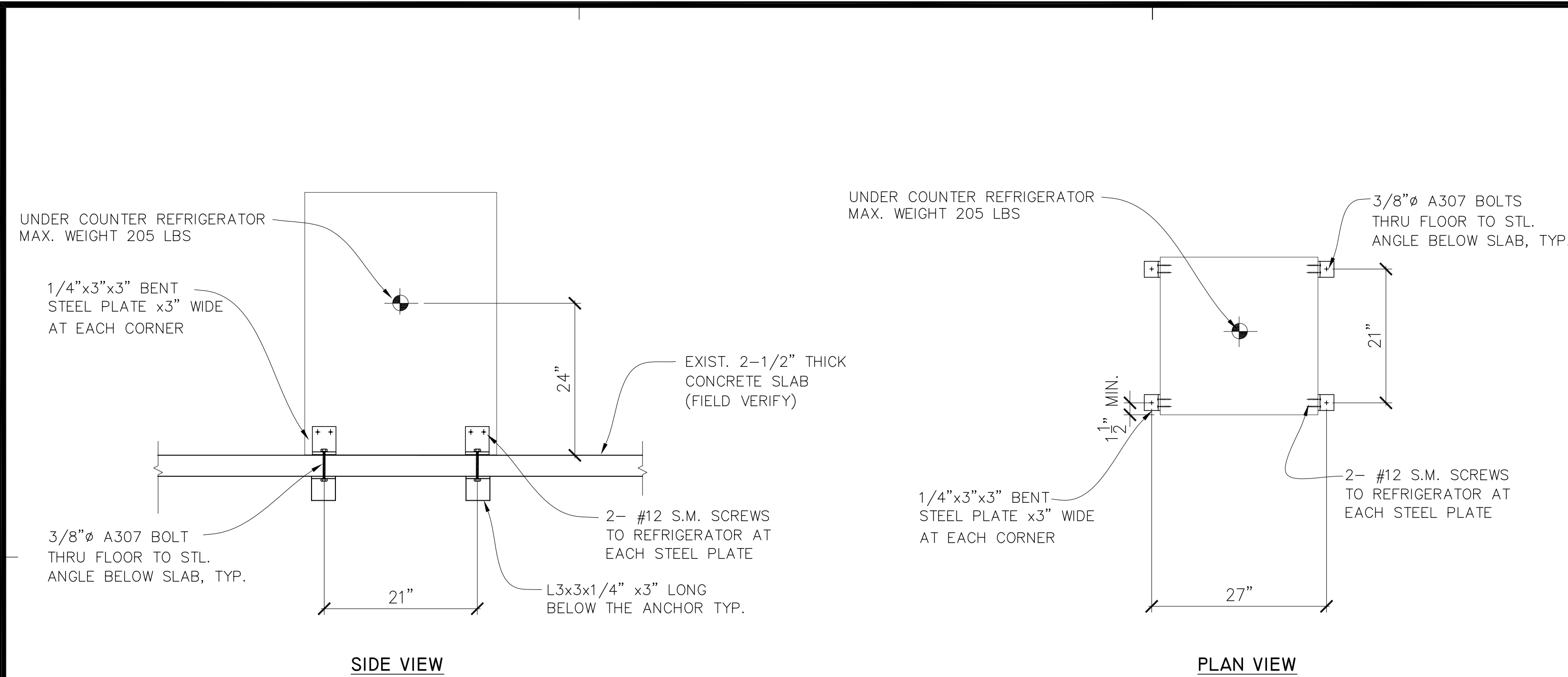
- DO NOT SCALE THESE DRAWINGS. PRIOR TO START OF CONSTRUCTION, ALL DIMENSIONS AND ELEVATIONS MUST BE VERIFIED WITH THE APPRD. SET OF ARCHITECTURAL DRAWINGS. IN CASE OF DISCREPANCIES, STRUCTURAL ENGINEER OF RECORD MUST BE NOTIFIED IN WRITING.
- ALL EXISTING MEMBER SIZES, SPACING, & DIMENSIONS MUST BE FIELD VERIFIED. IN CASE OF DISCREPANCIES STRUCTURAL ENGINEER MUST BE NOTIFIED IN WRITING.
- PRIOR THE DRILLING OF EXISTING SLAB FOR NEW SLAB PENETRATION AS REQUIRED FOR THIS PROJECT, X-RAY THE EXISTING SLAB AT THESE LOCATIONS TO AVOID ANY CUT OF THE EXISTING REINFORCEMENT AND MAINTAIN 1" MIN. CONC. COVER FOR ANY EXISTING REINFORCEMENT. SEE PLUMBING DRAWINGS FOR LOCATION. MAX. 4"Ø CORE DRILL.
- FILL HOLES IN THE EXISTING SLAB CREATED BY REMOVED PIPES, SEE DETAIL 3/SD3. SEE PLUMBING DRAWINGS FOR LOCATION.



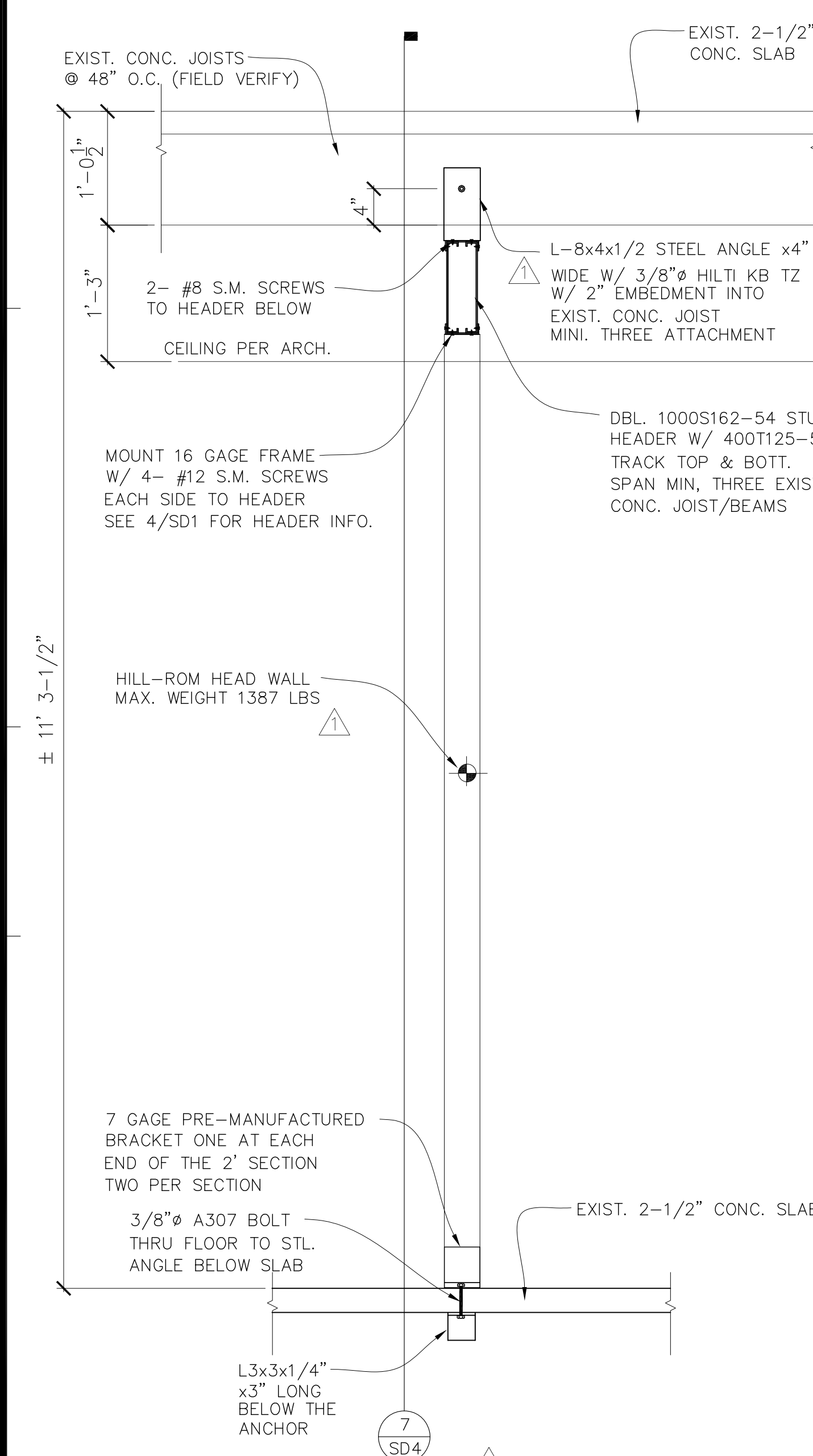
NORTH
EXISTING PARTIAL ROOF PLAN
SCALE: 1/8"=1'-0"

EQUIPMENT SCHEDULE

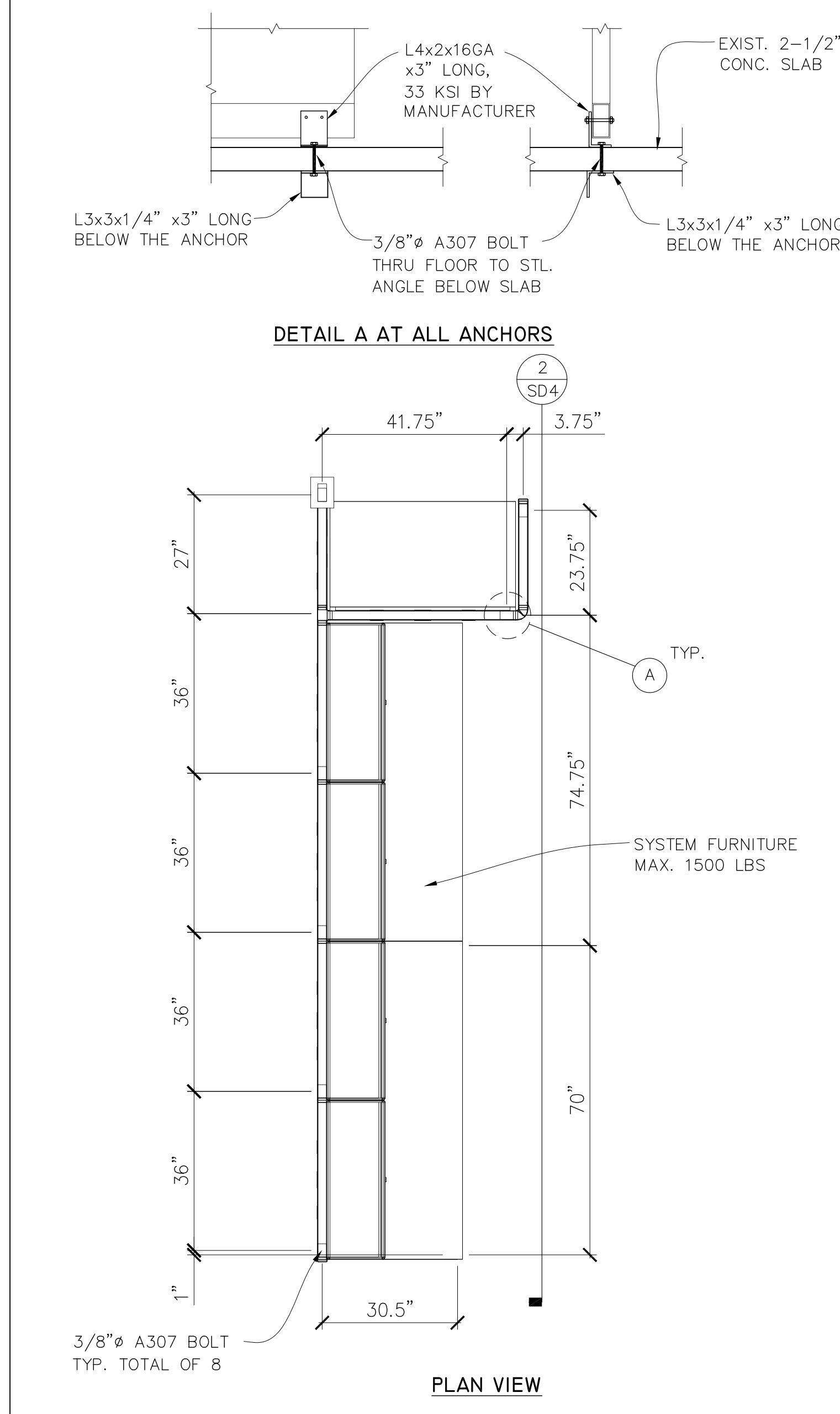
EQUIP. #	DESCRIPTION	MAX. OPERATION WEIGHT (LBS.)	DETAIL
001	UNDERCOUNTER REFRIGERATOR	205	SD1
002	TALL FREEZER	600	SD1
004	SUPPLY STATION	1000	SD2
005	STATION - 6 DRAWER	1000	SD2
006	SMALL REFRIGERATOR	20	SD1
007	UNDERCOUNTER FREEZER	205	SD1
021	HILL-ROM HEADWALL	1387	PER PLAN
023	WASHER/DRYER	167	SD1 SIM.
024	UNDERCOUNTER REFRIGERATOR	205	SD1



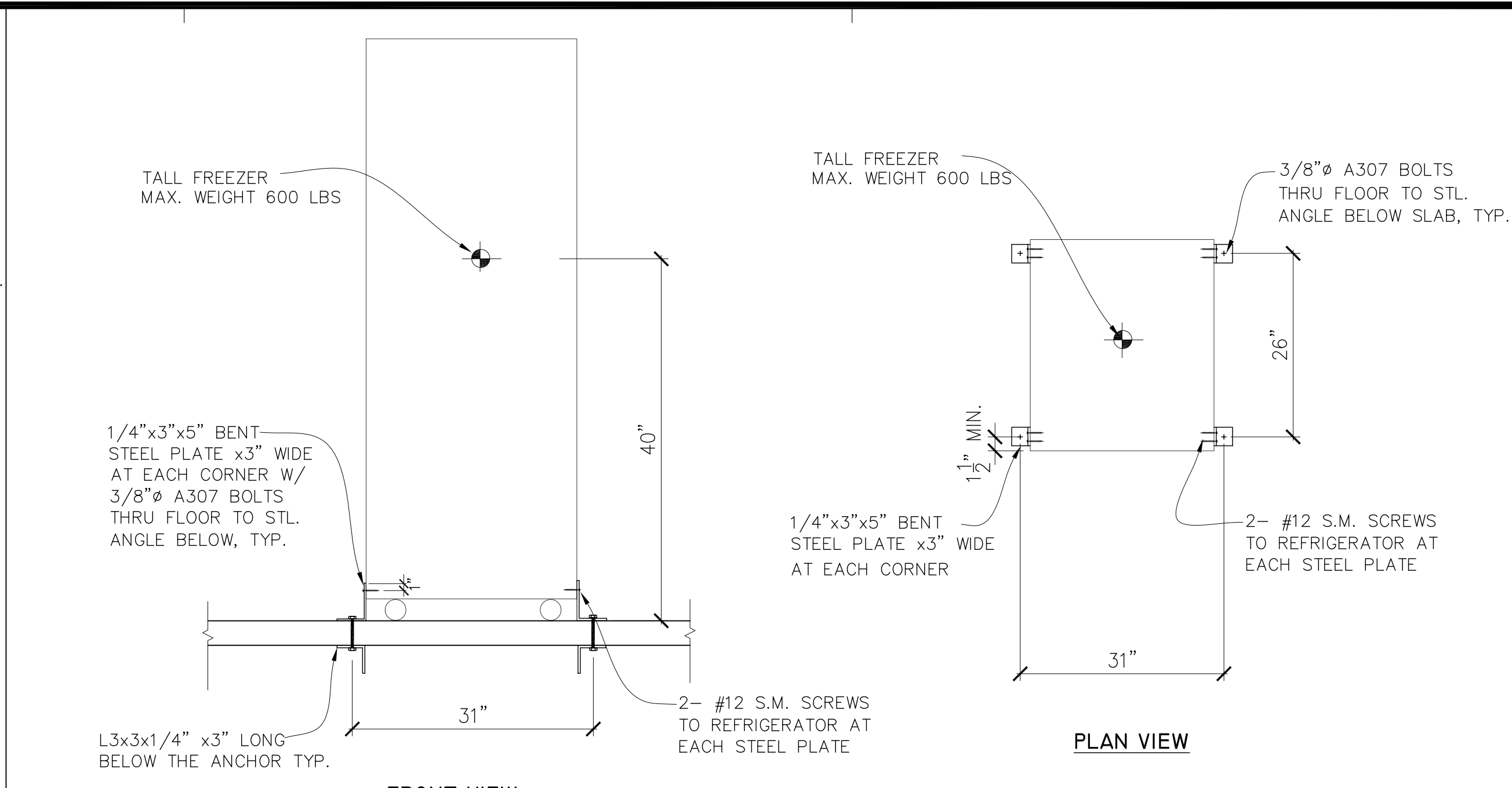
1 ANCHORAGE DETAIL FOR UNDER COUNTER REFRIGERATOR
SCALE: 1"=1'-0" 001



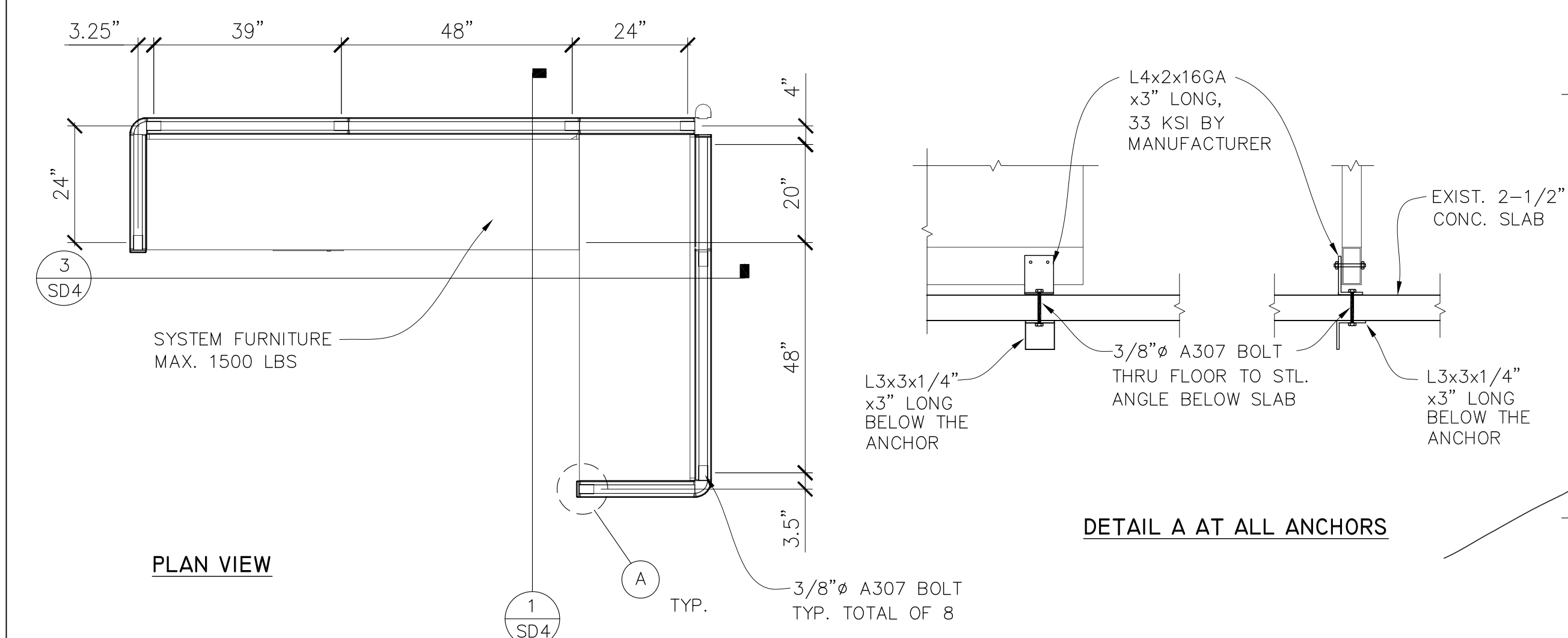
3 ANCHORAGE FOR HILL-ROM HEADER WALL
SCALE: 1"=1'-0" 021



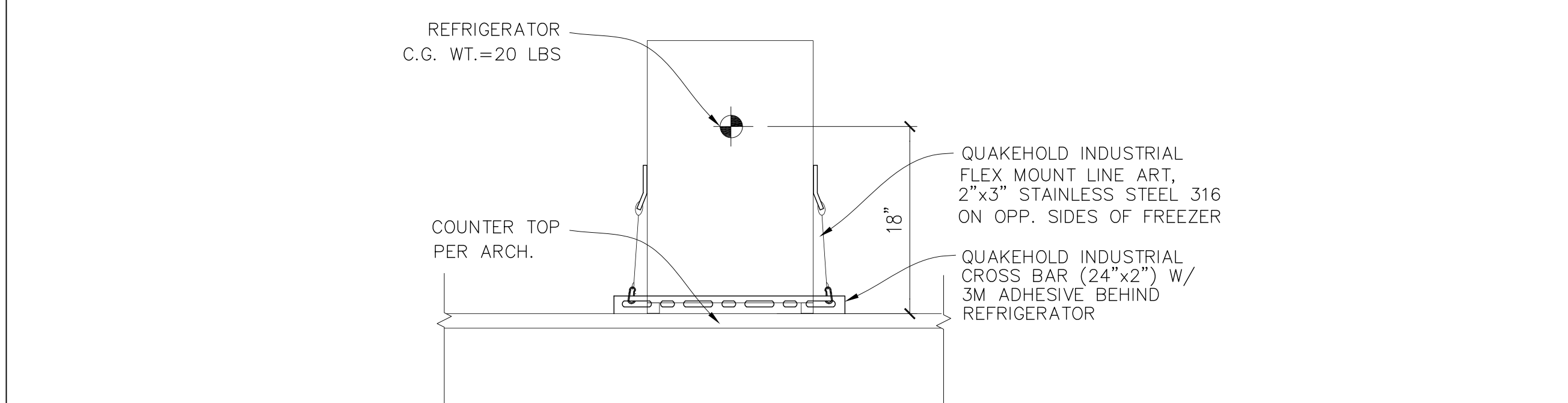
4 ANCHORAGE FOR SYSTEM FURNITURE
SCALE: 1"=1'-0"



2 ANCHORAGE DETAIL FOR TALL FREEZER
SCALE: 1"=1'-0" 002



6 ANCHORAGE FOR SYSTEM FURNITURE
SCALE: 1"=1'-0"



7 ANCHORAGE DETAIL FOR COUNTER TOP REFRIGERATOR
SCALE: 1"=1'-0" 006

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www.sfeirarch.com

TCMC SCHIFF FAMILY NICU RENOVATION

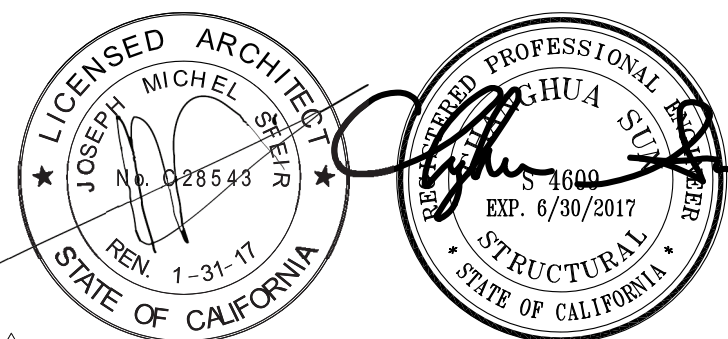
TRI-CITY MEDICAL CENTER
4002 VISTA WAY
OCEANSIDE, CALIFORNIA 92056

OWNER: TRI-CITY MEDICAL CENTER
4002 VISTA WAY
OCEANSIDE, CALIFORNIA 92056
TEL(760)724-8411

ARCHITECT: SFEIR ARCHITECTS
1350 COLUMBIA STREET, SUITE 603
SAN DIEGO, CALIFORNIA 92101
TEL(619)299-3917 FAX(619)299-5084

STRUCTURAL: SUN STRUCTURAL ENGINEERING, INC.
2091 LAS PALMAS DRIVE, SUITE D
CARLSBAD, CALIFORNIA 92011
TEL(760)438-1188

ME&P: DESIGN WEST ENGINEERING
5151 SHOREHAM PLACE, SUITE 240
SAN DIEGO, CALIFORNIA 92122
TEL(619)330-6043



1	OSHDP COMMENTS	03.25.16
2	OSHDP COMMENTS	09.01.16
3	DESIGN CHANGES	09.01.16
4	OSHDP COMMENTS	12.22.16
5	OSHDP COMMENTS	03.03.17
6	DESIGN CHANGES	03.03.17
7	DESIGN CHANGES	04.14.17

CONSULTANT

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2091 Las Palmas Dr., Suite D
Carlsbad, California 92011
Tel: 760-438-1188
www.sunse-inc.com

OSHDP APPROVAL STAMP:
OSHDP #: S152912-37-00

SHEET TITLE:

DETAILS

PROJECT TITLE:
TCMC SCHIFF FAMILY NICU RENOVATION

PROJECT #: 01549.01
DRAWN BY: Author
CHECKED BY: Checker
SCALE: As indicated
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SHEET NUMBER:

SDI

TCMC SCHIFF FAMILY NICU RENOVATION

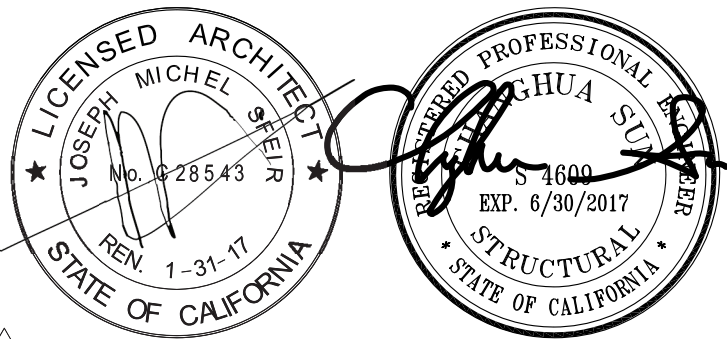
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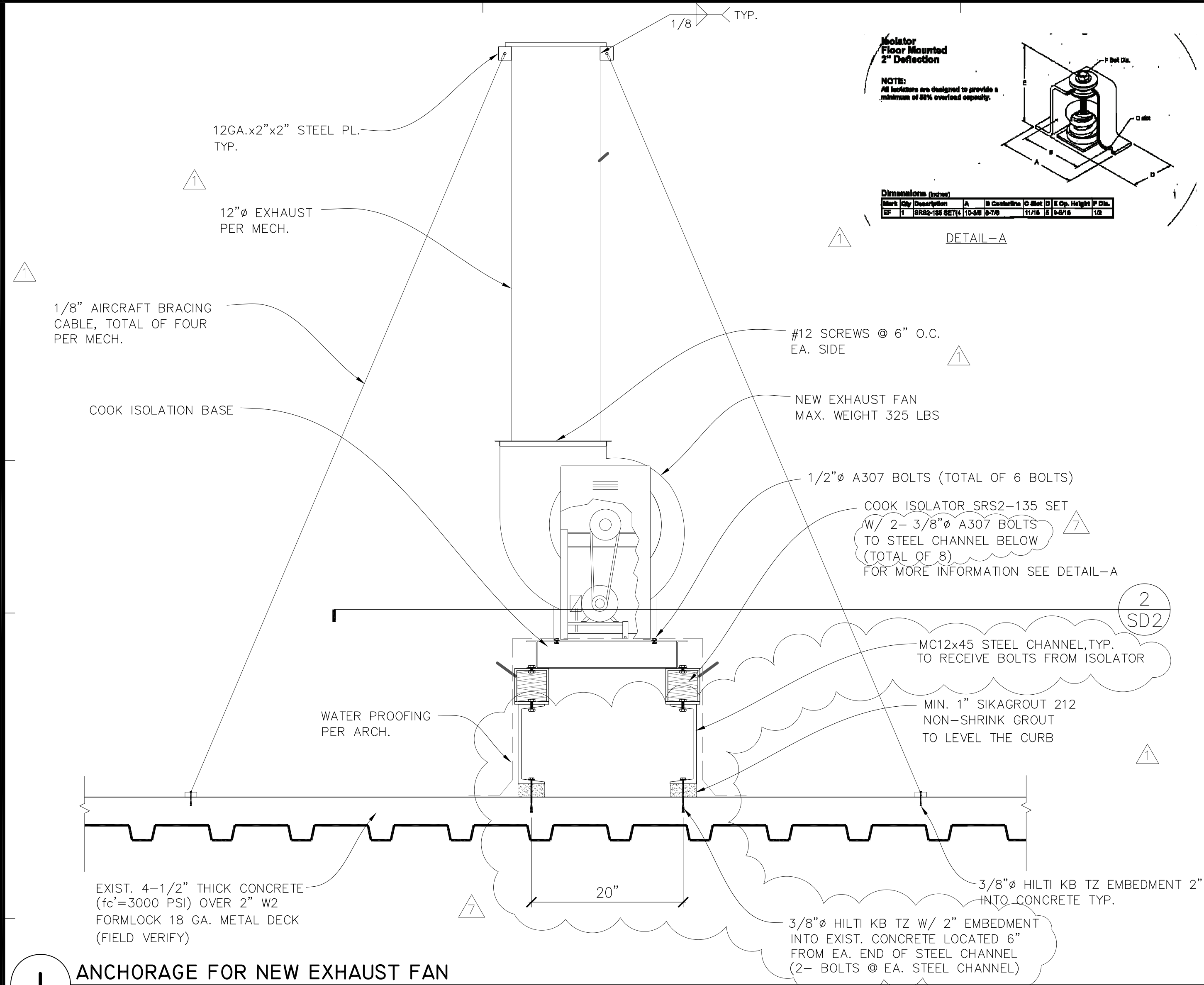
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PROJECT TITLE:
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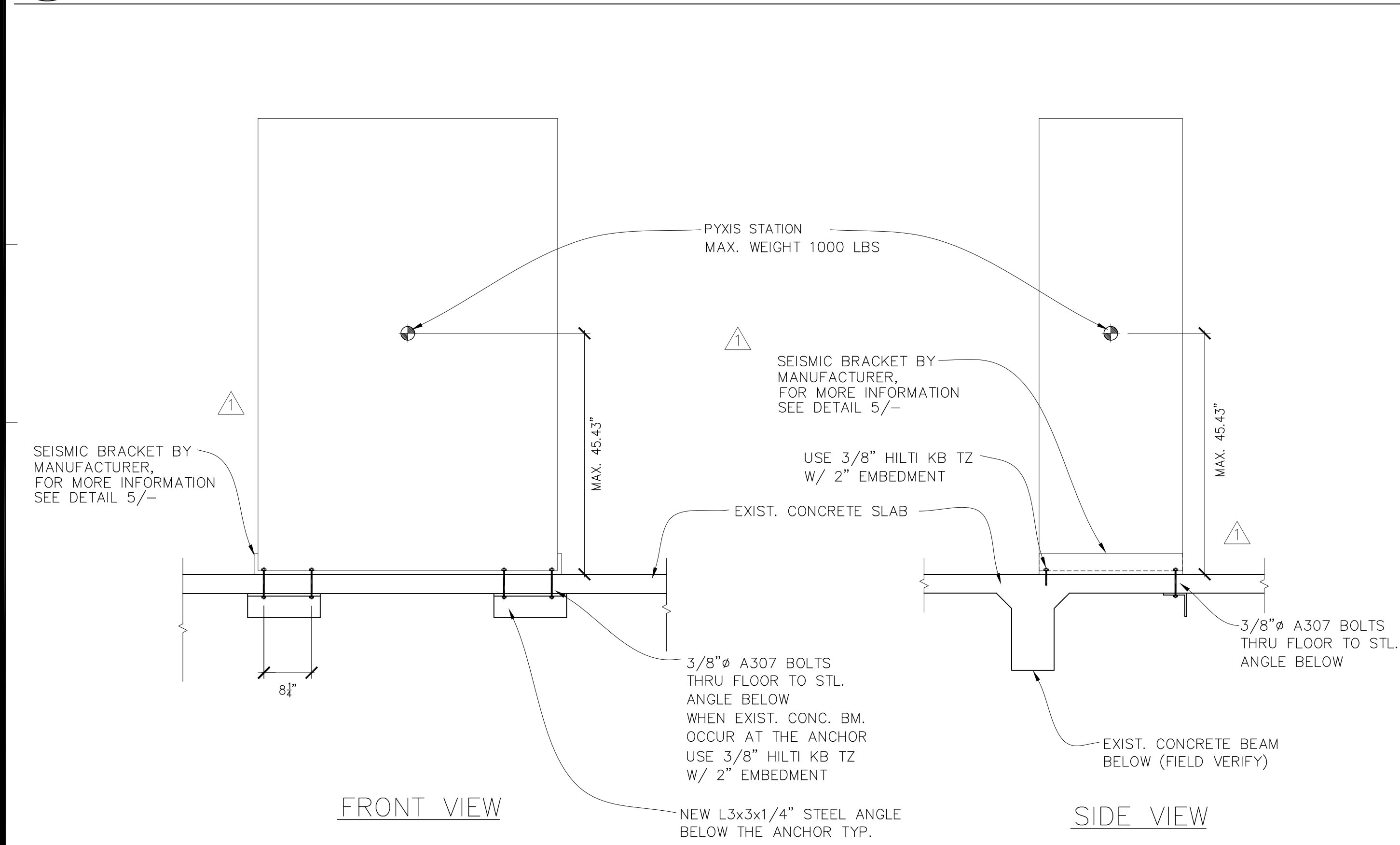
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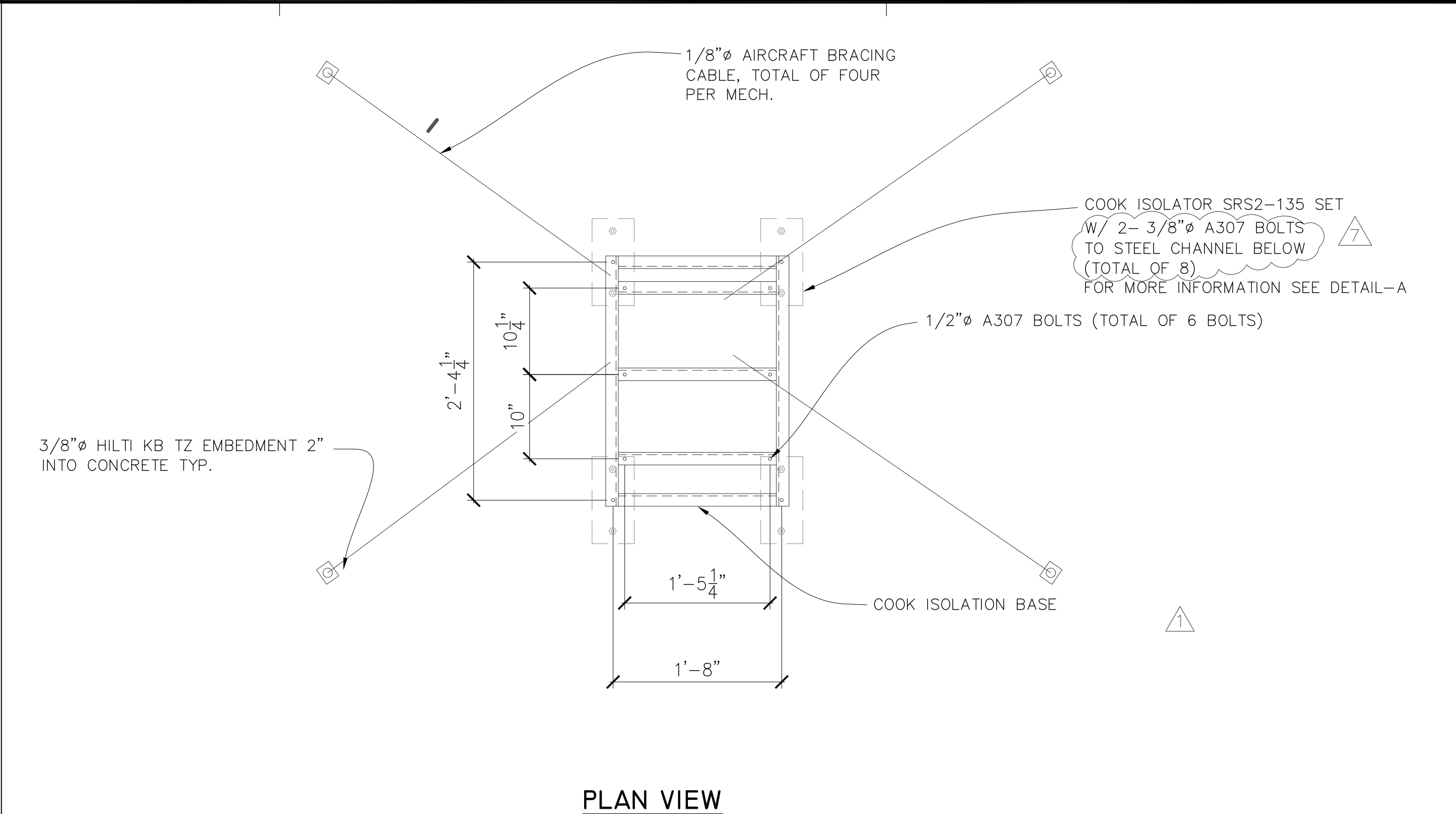
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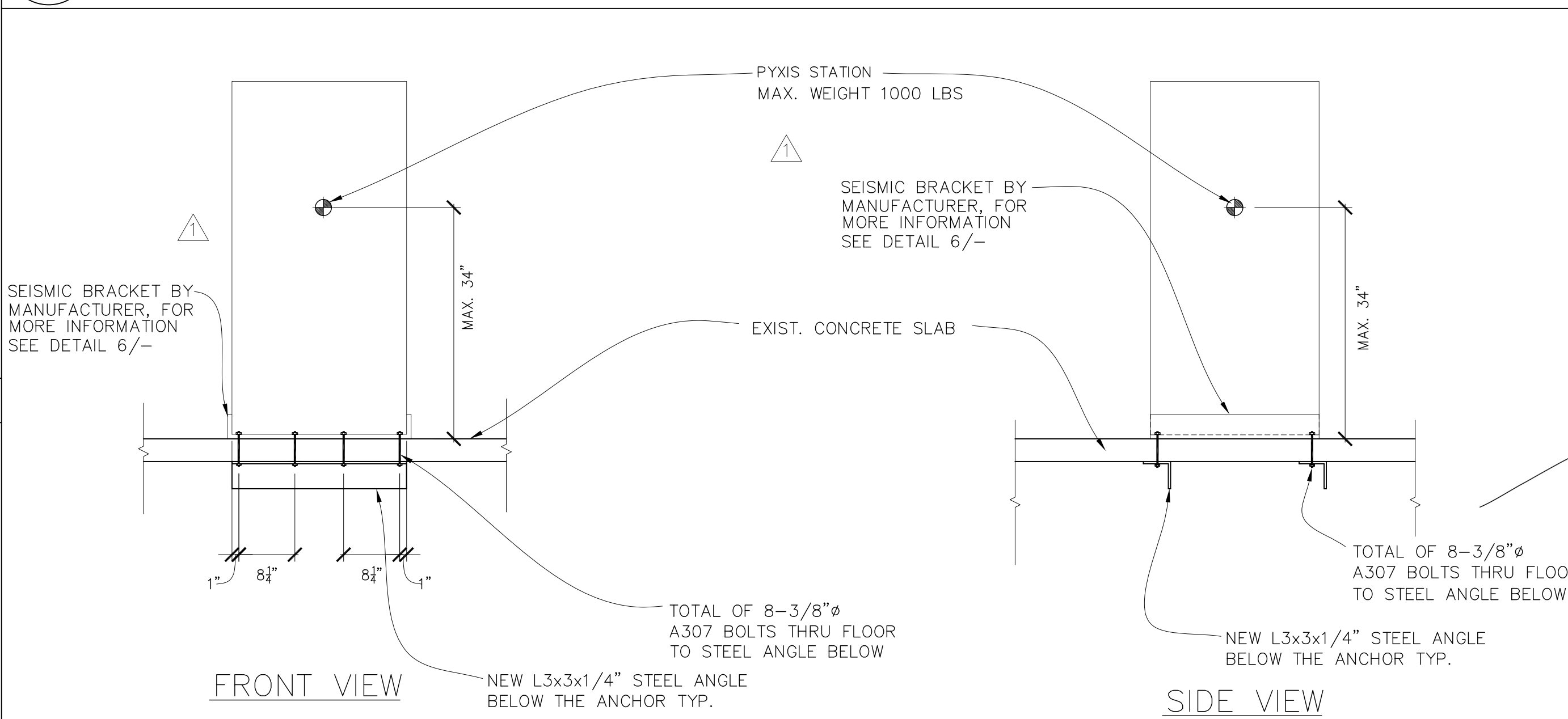
1 ANCHORAGE FOR NEW EXHAUST FAN
SCALE: 1"=1'-0"



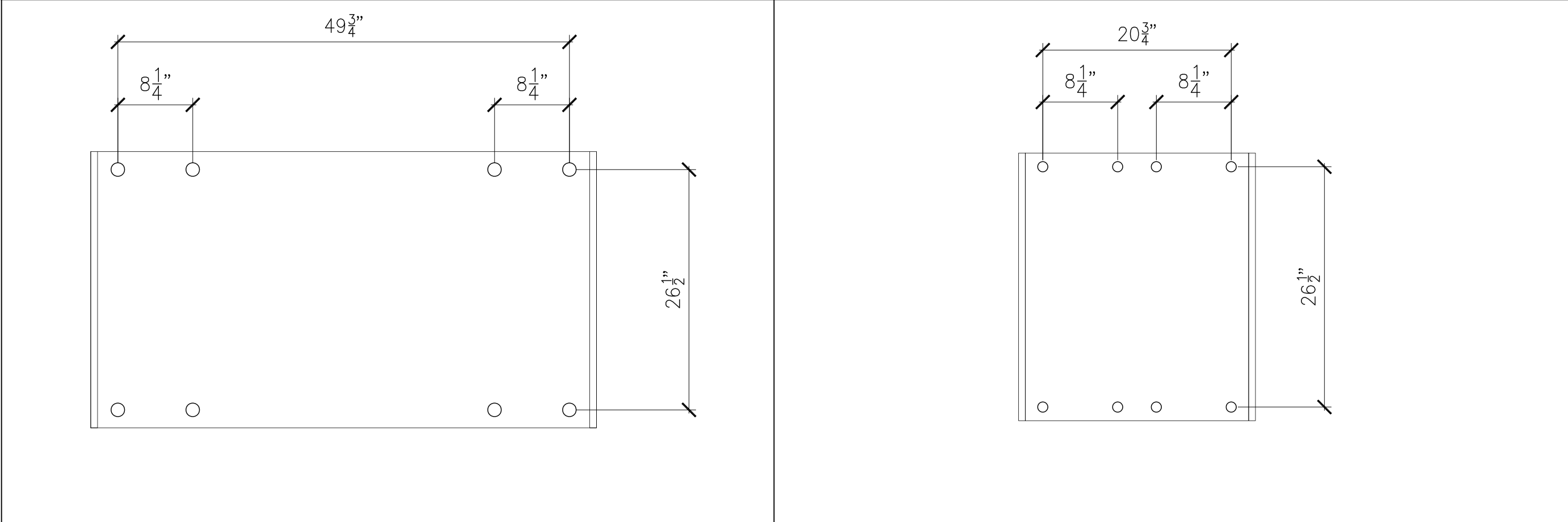
3 DOUBLE STORAGE PYXIS ANCHORAGE
SCALE: 1"=1'-0" 004



2 ISOLATION BASE DETAIL
SCALE: 1"=1'-0"



4 PYXIS MEDSTATION 4000 ANCHORAGE
SCALE: 1"=1'-0" 005



5 SEISMIC BRACKET
SCALE: 1"=1'-0"

6 SEISMIC BRACKET
SCALE: 1"=1'-0"

TCMC SCHIFF FAMILY NICU RENOVATION

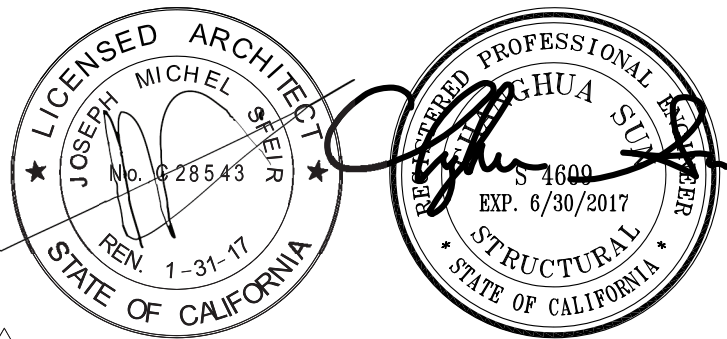
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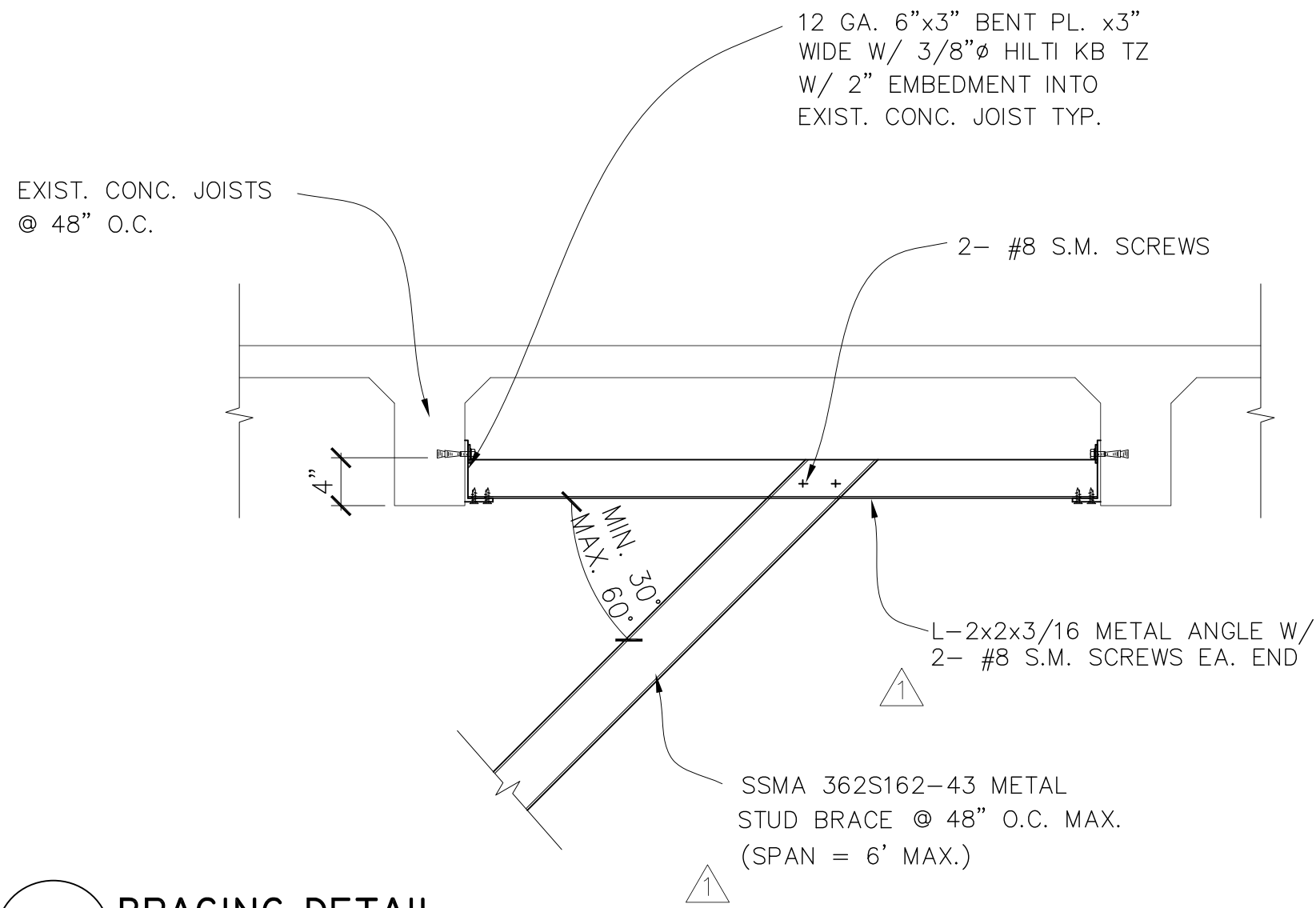
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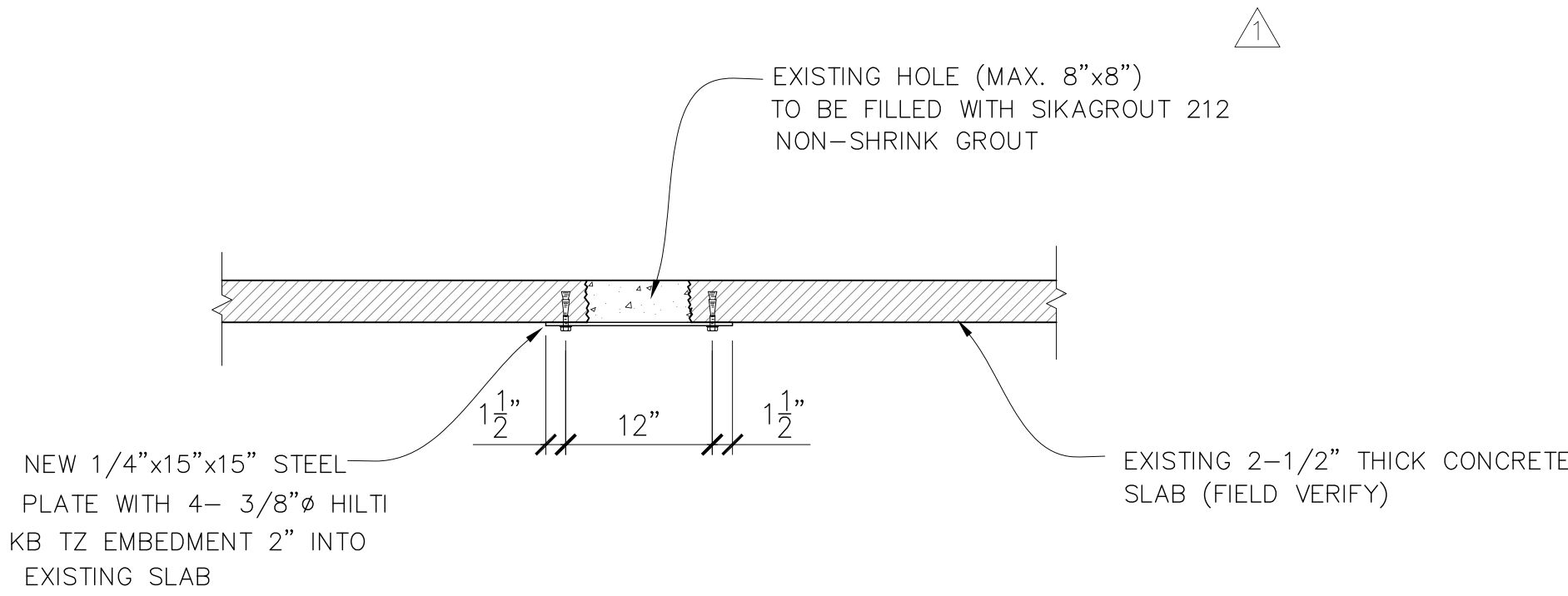
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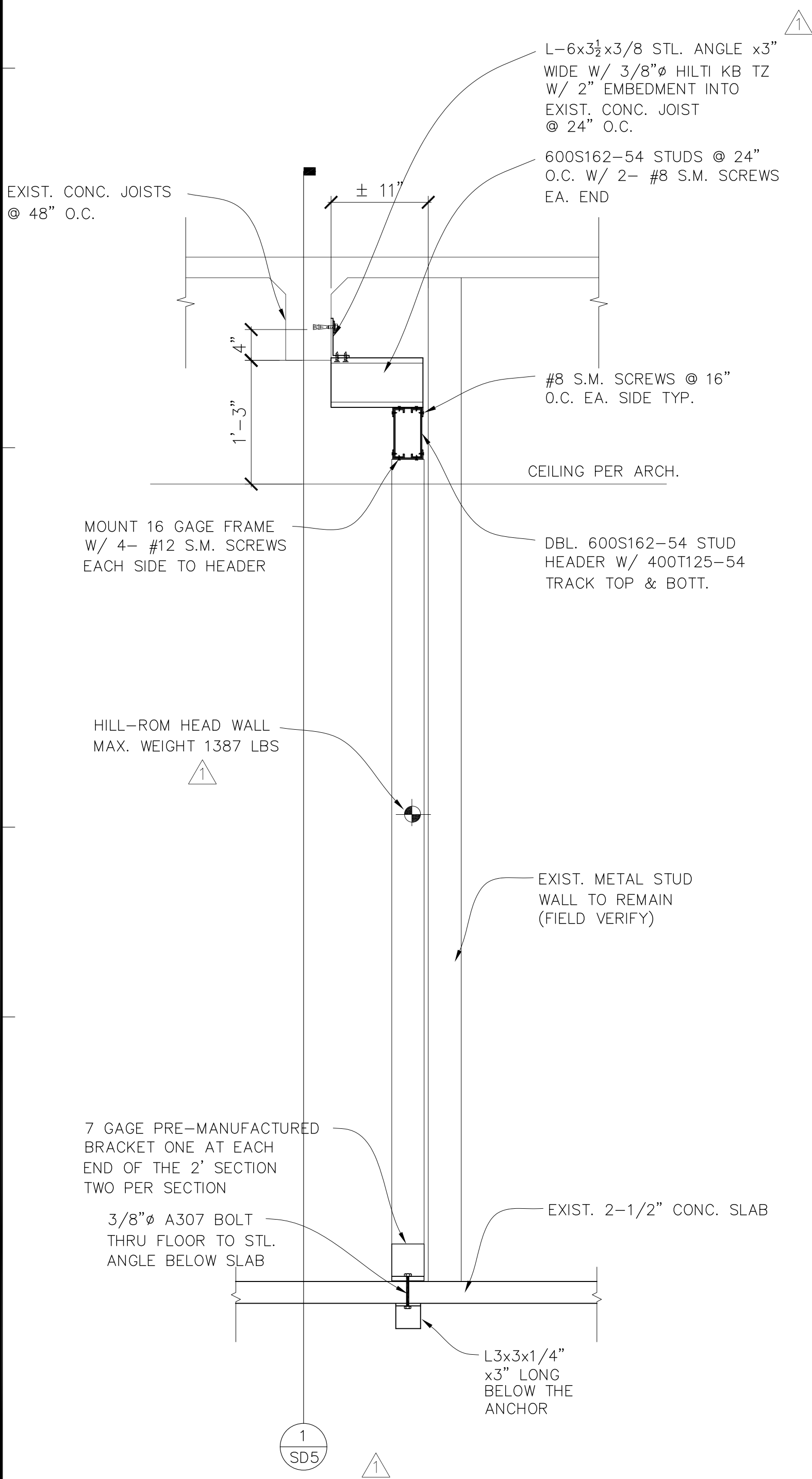
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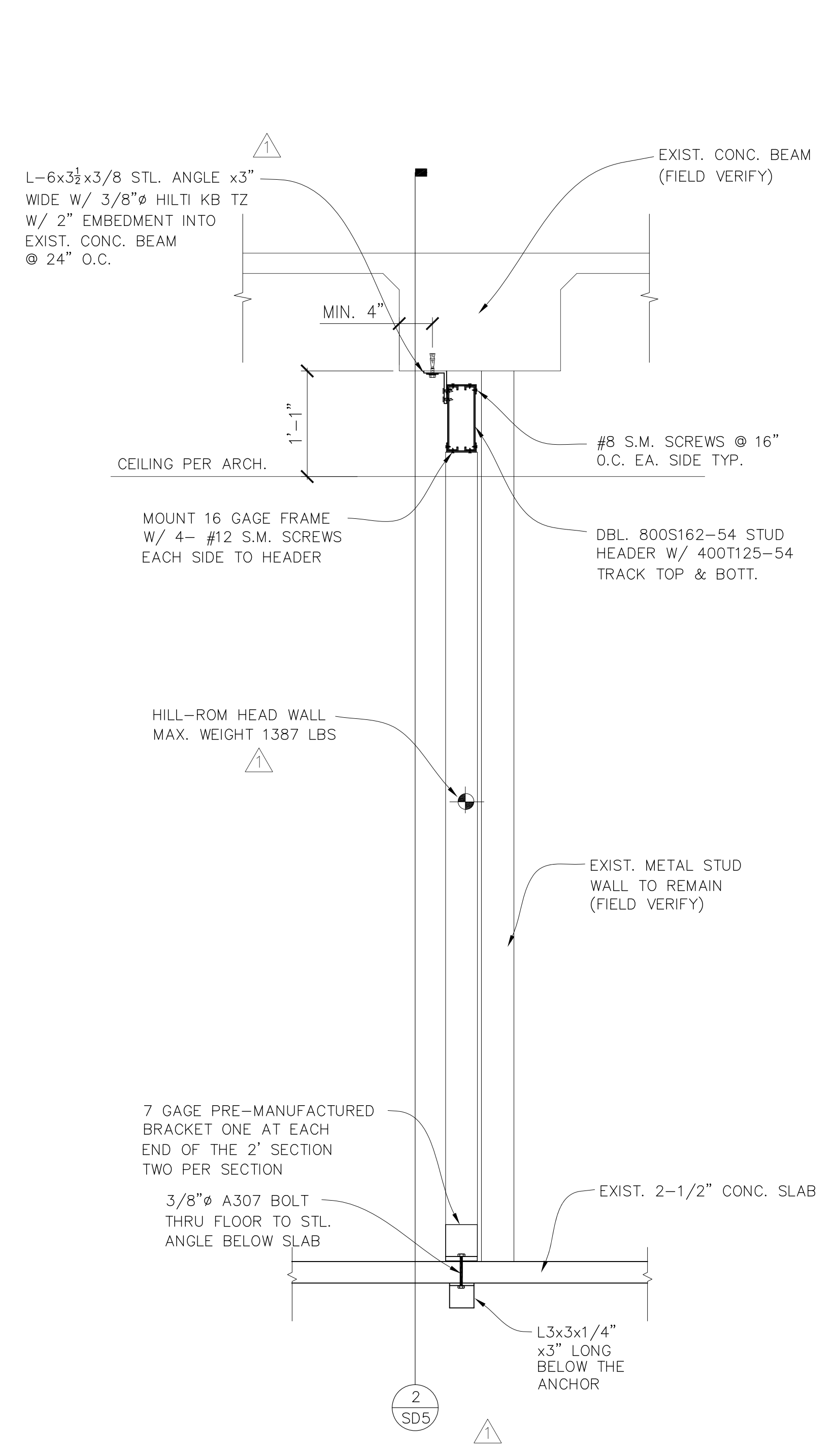
2 BRACING DETAIL
SCALE: 1"=1'-0"



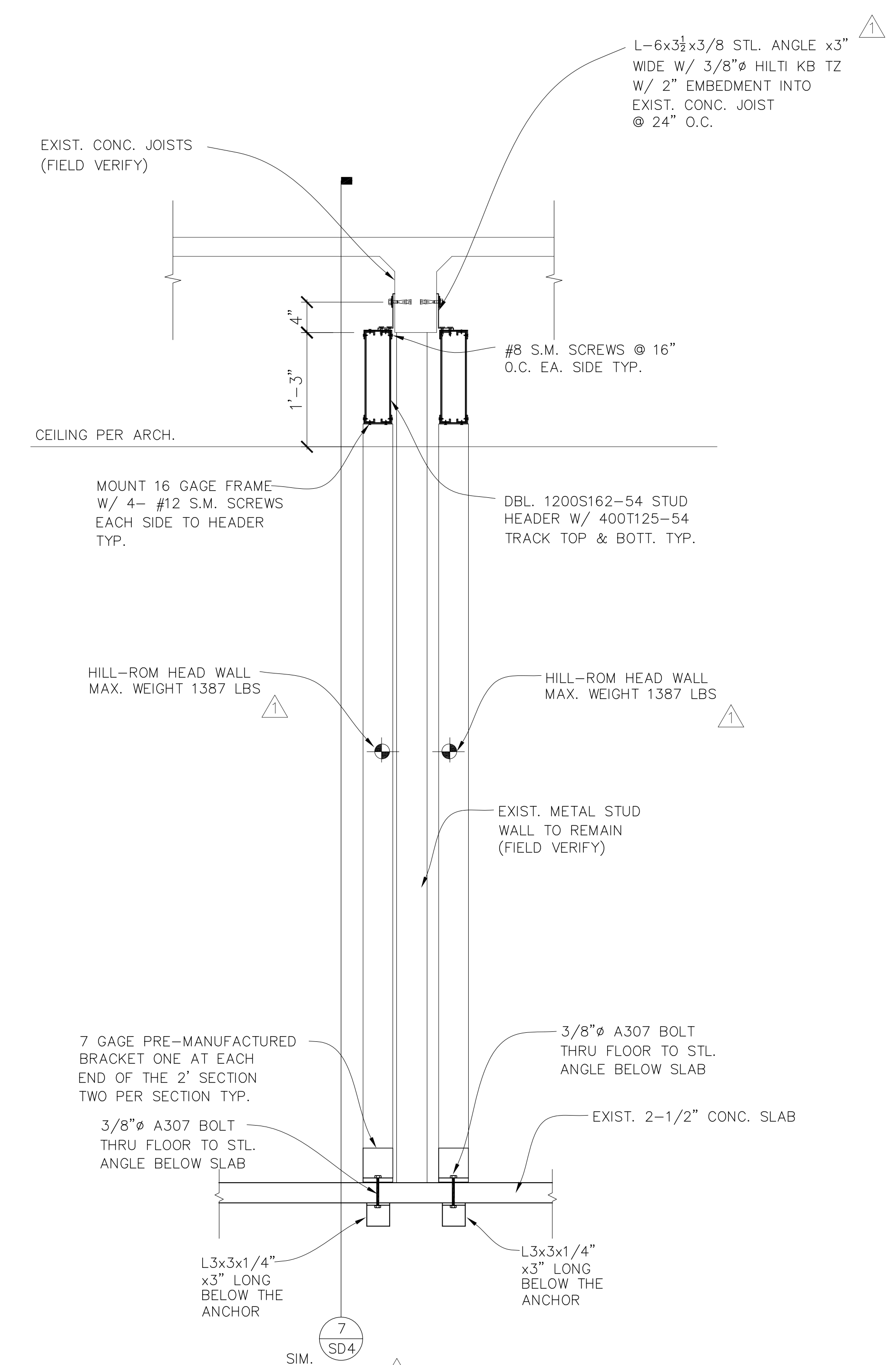
3 FILL IN EXISTING HOLE IN SLAB
SCALE: 1"=1'-0"



4 ANCHORAGE FOR HILL-ROM HEADER WALL
SCALE: 1"=1'-0"

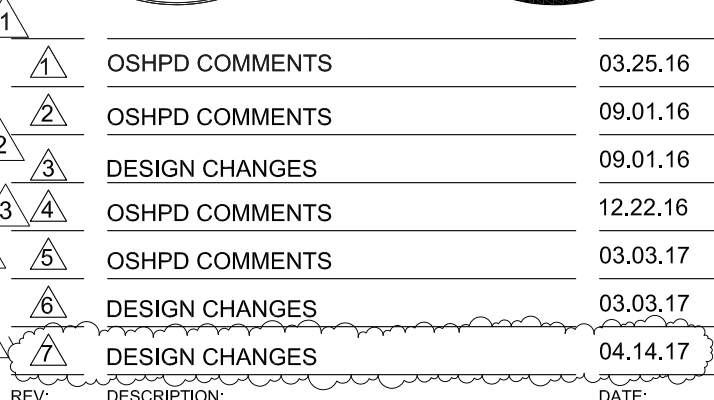


5 ANCHORAGE FOR HILL-ROM HEADER WALL
SCALE: 1"=1'-0"



6 ANCHORAGE FOR HILL-ROM HEADER WALL
SCALE: 1"=1'-0"

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SAN DIEGO, CALIFORNIA 92122
TEL(619)330-6043

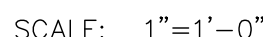
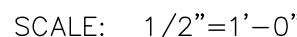
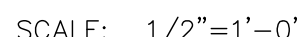
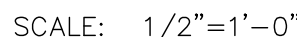
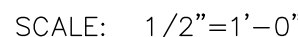


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SCALE: 1/2"=1'-0"



TCMC SCHIFF FAMILY NICU RENOVATION

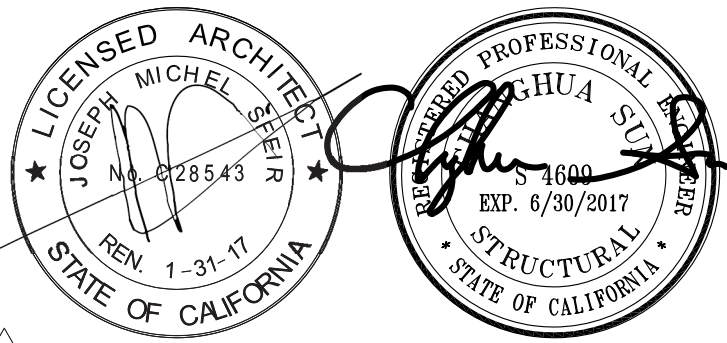
TRI-CITY MEDICAL
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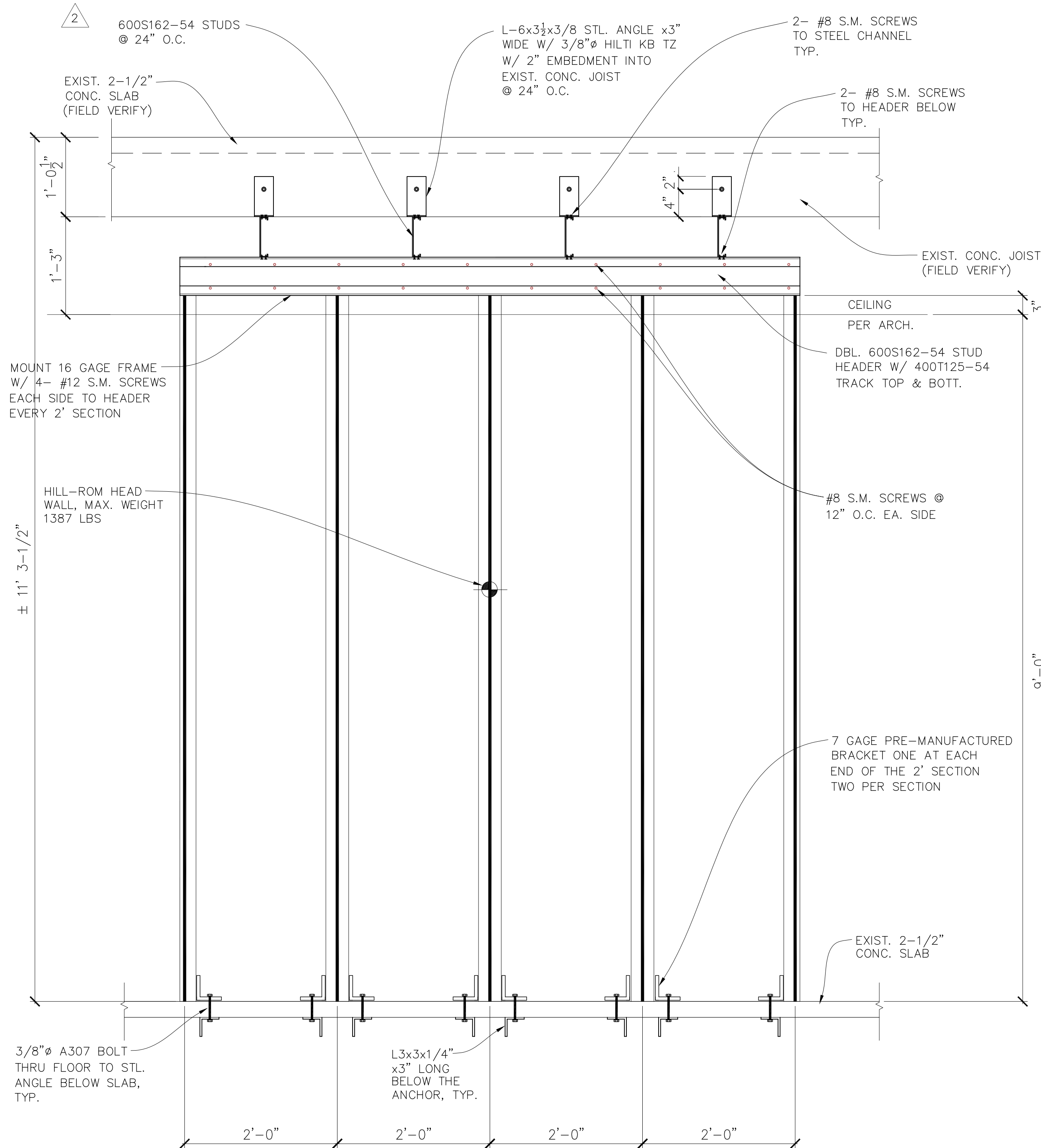
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TCMC SCHIFF FAMILY NICU
RENOVATION

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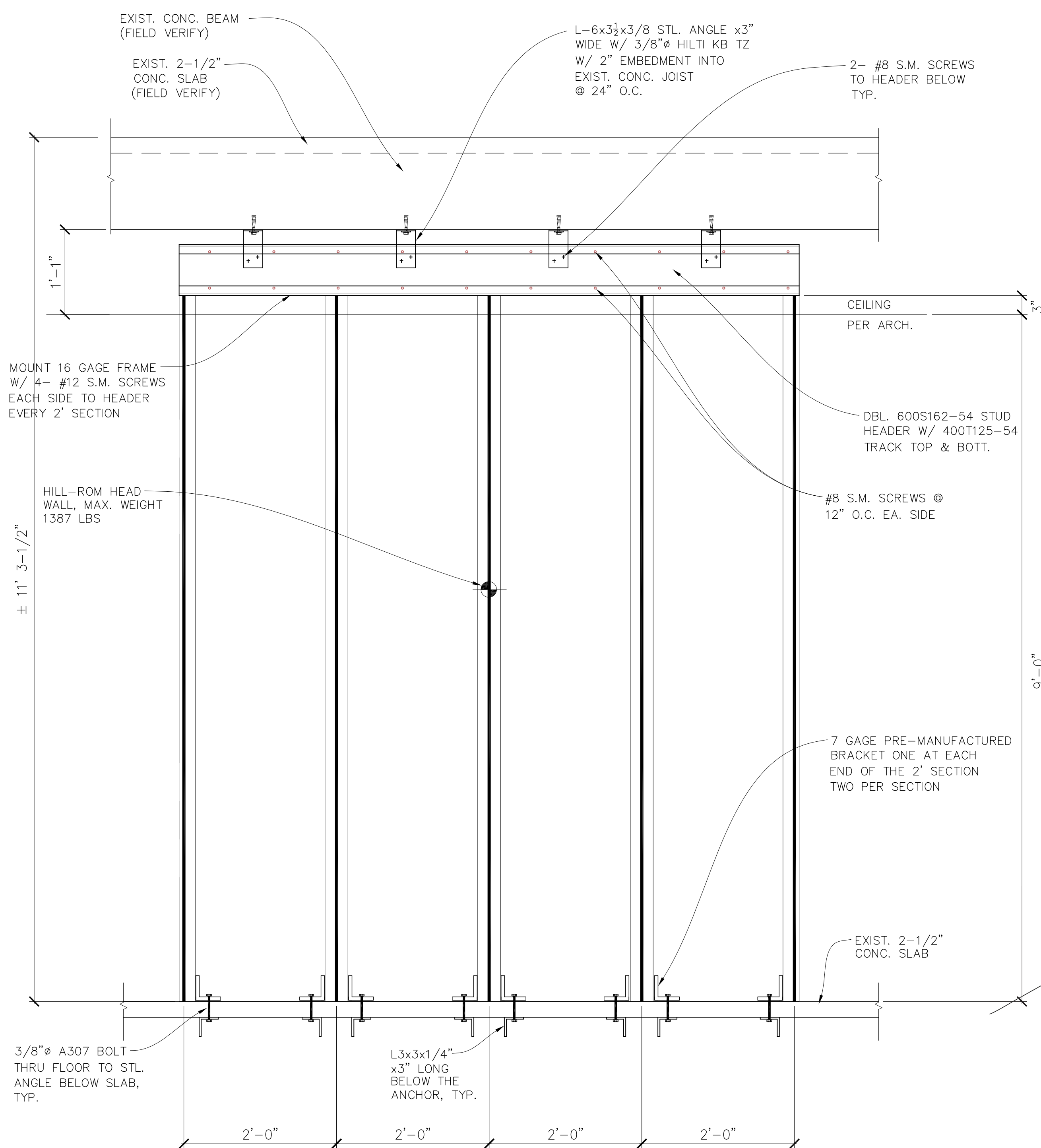
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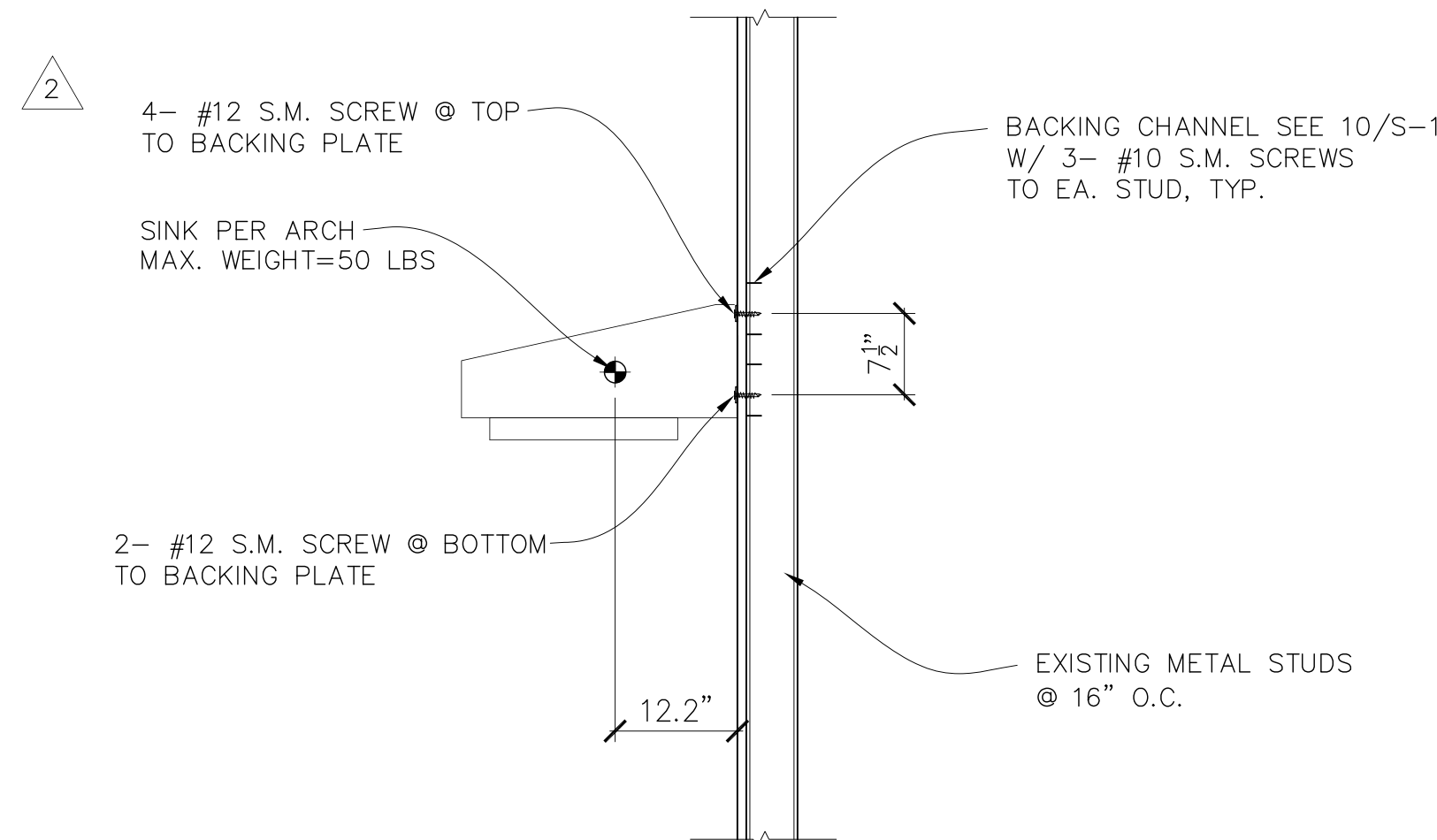
1 HILL-ROM HEADWALL ANCHORAGE

SCALE: 1"=1'-0"



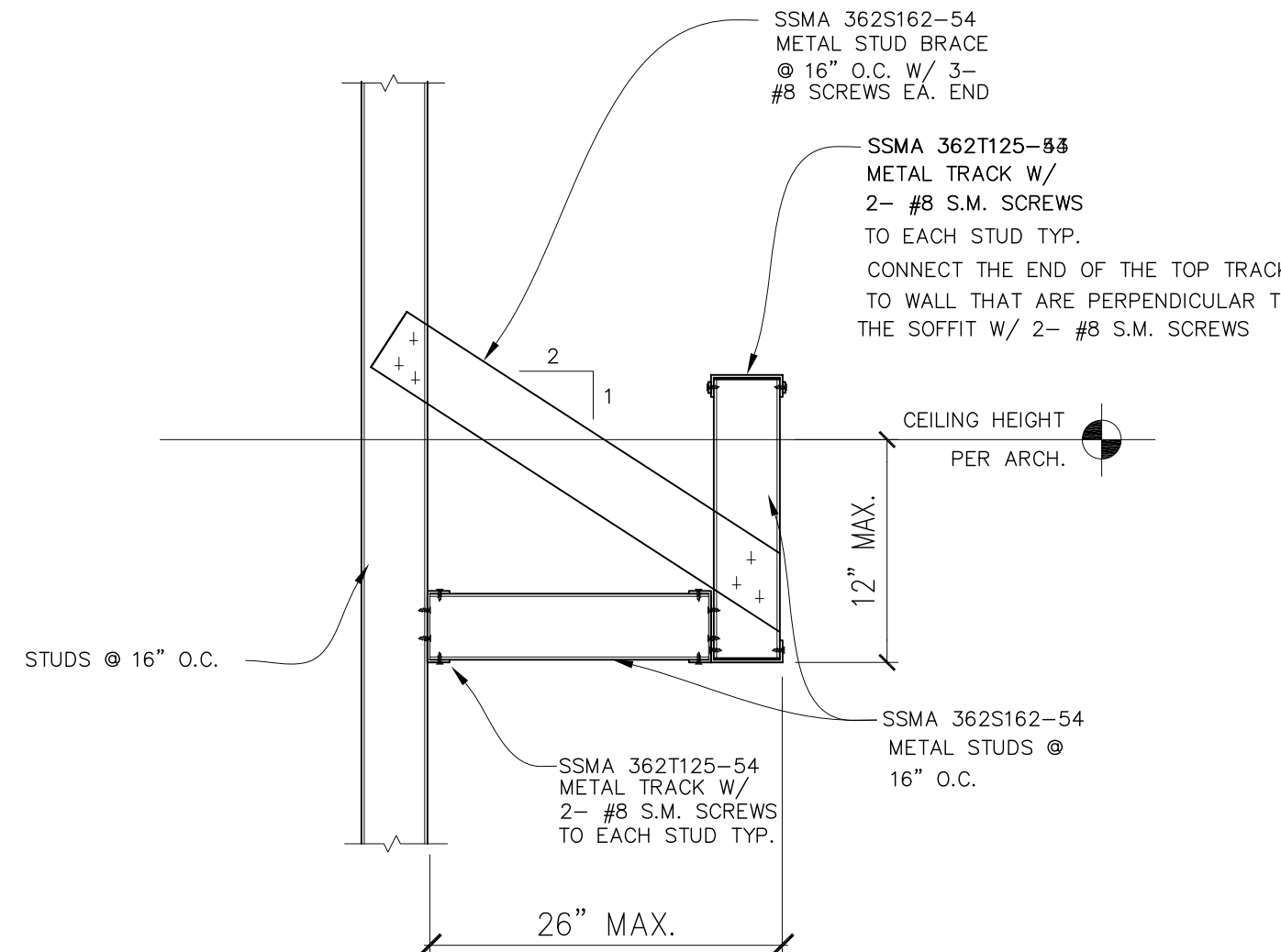
2 HILL-ROM HEADWALL ANCHORAGE

SCALE: 1"=1'-0"



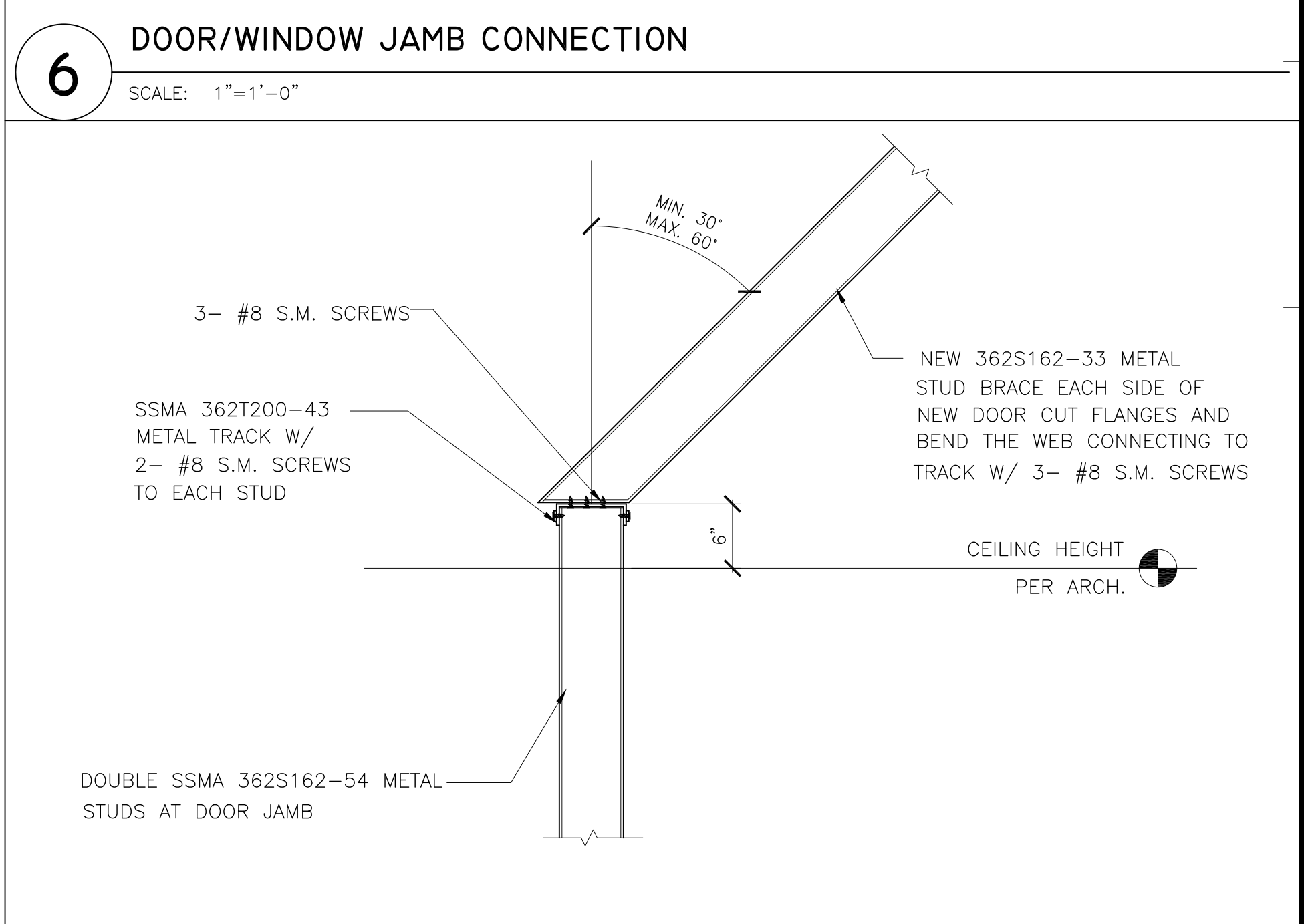
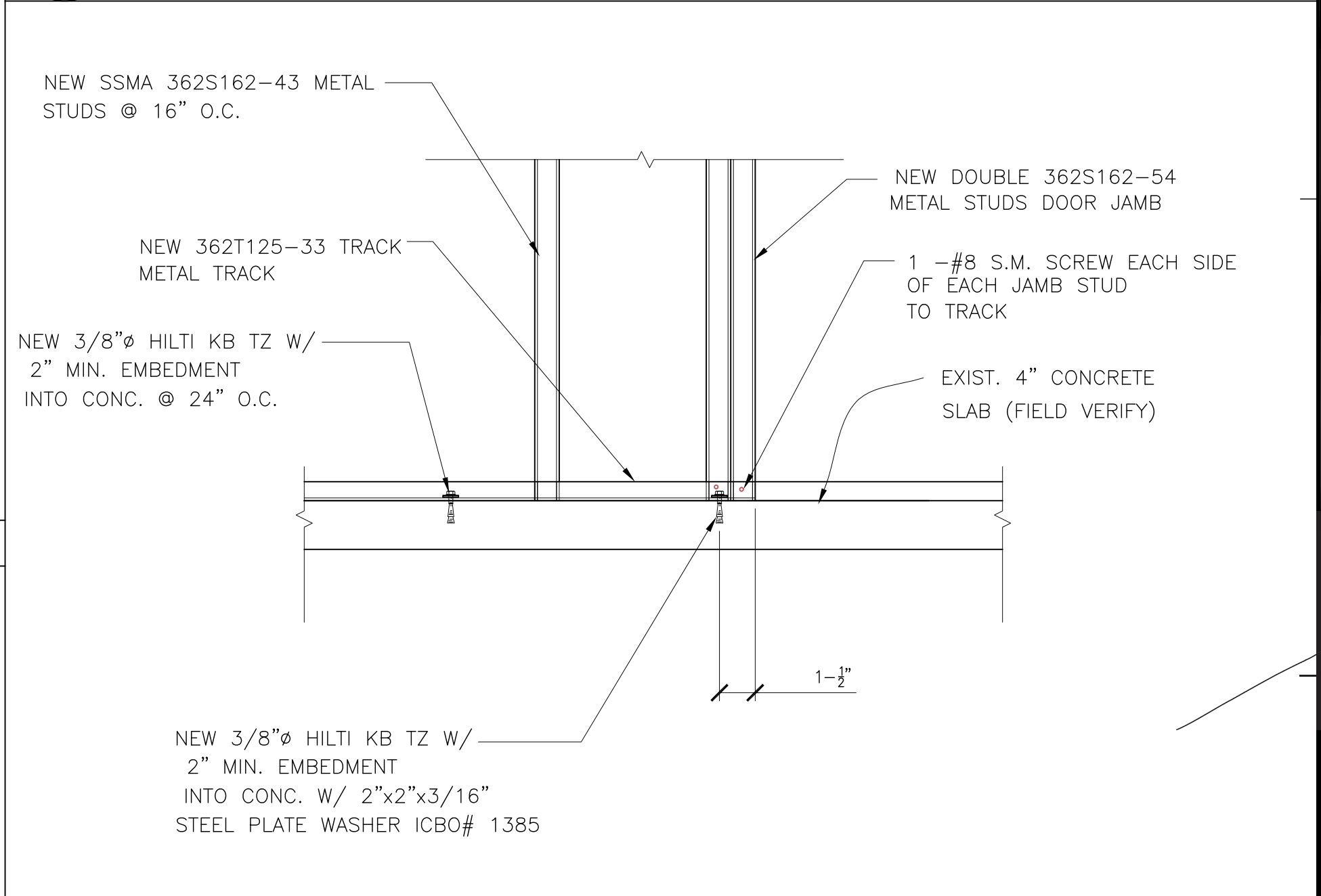
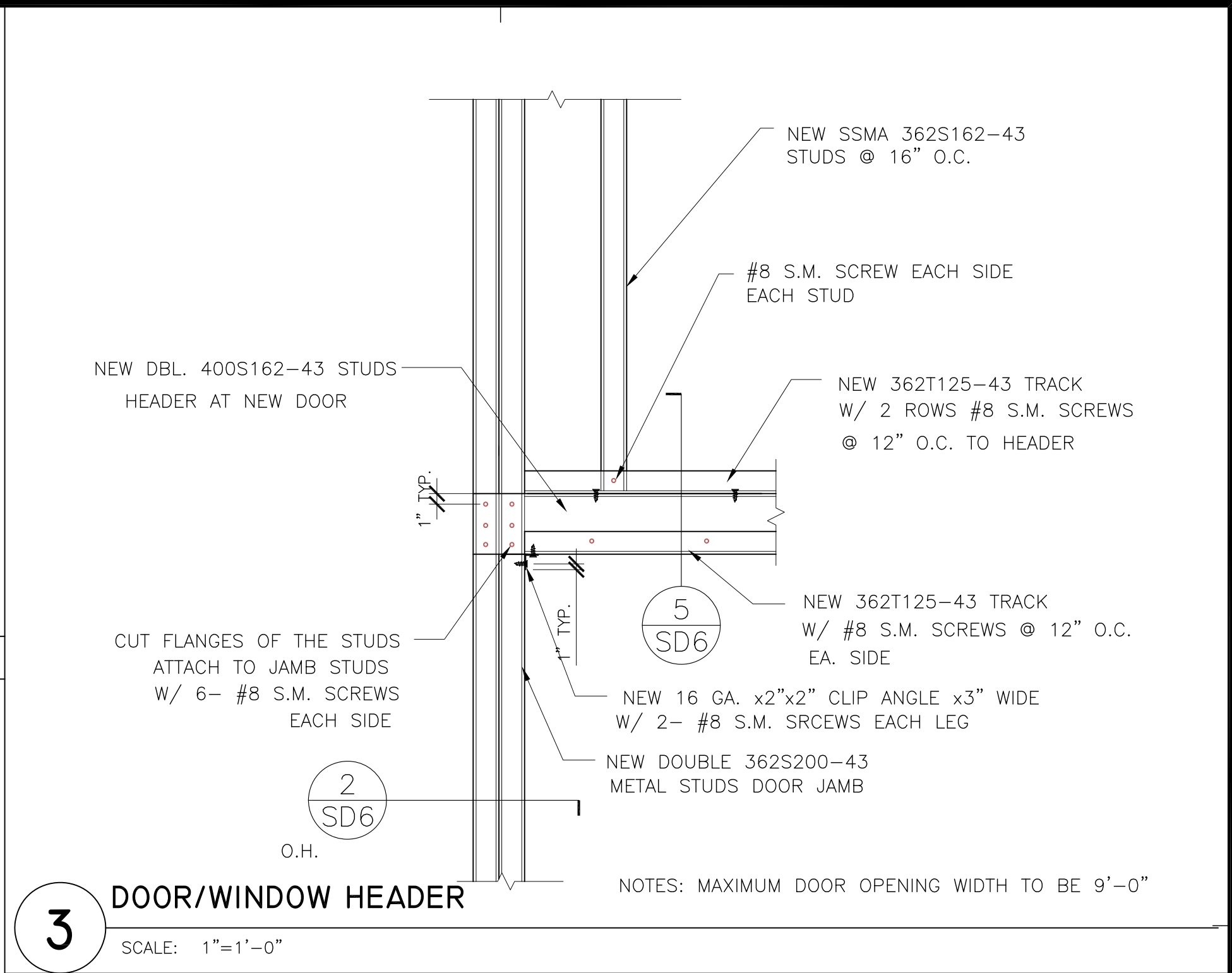
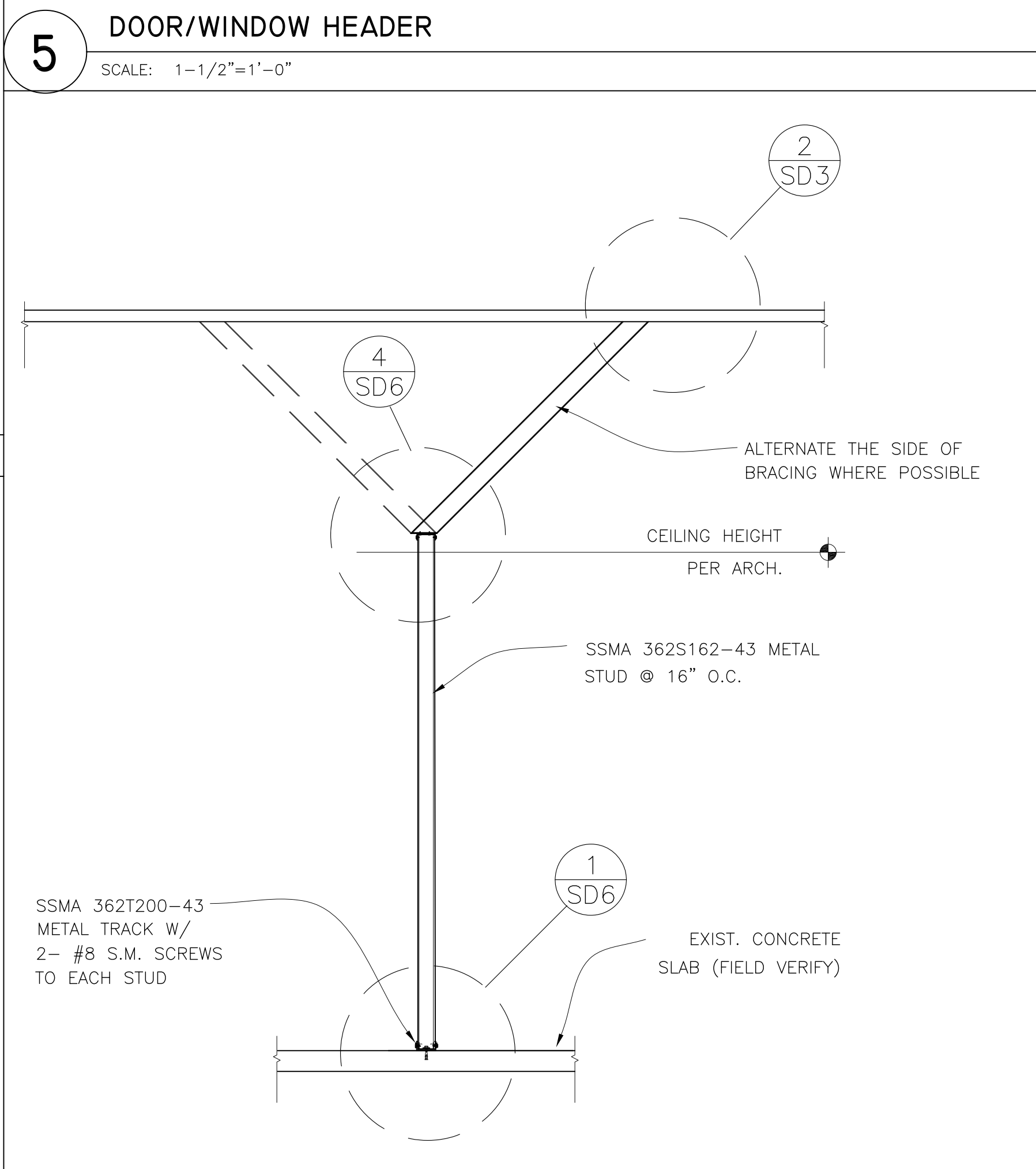
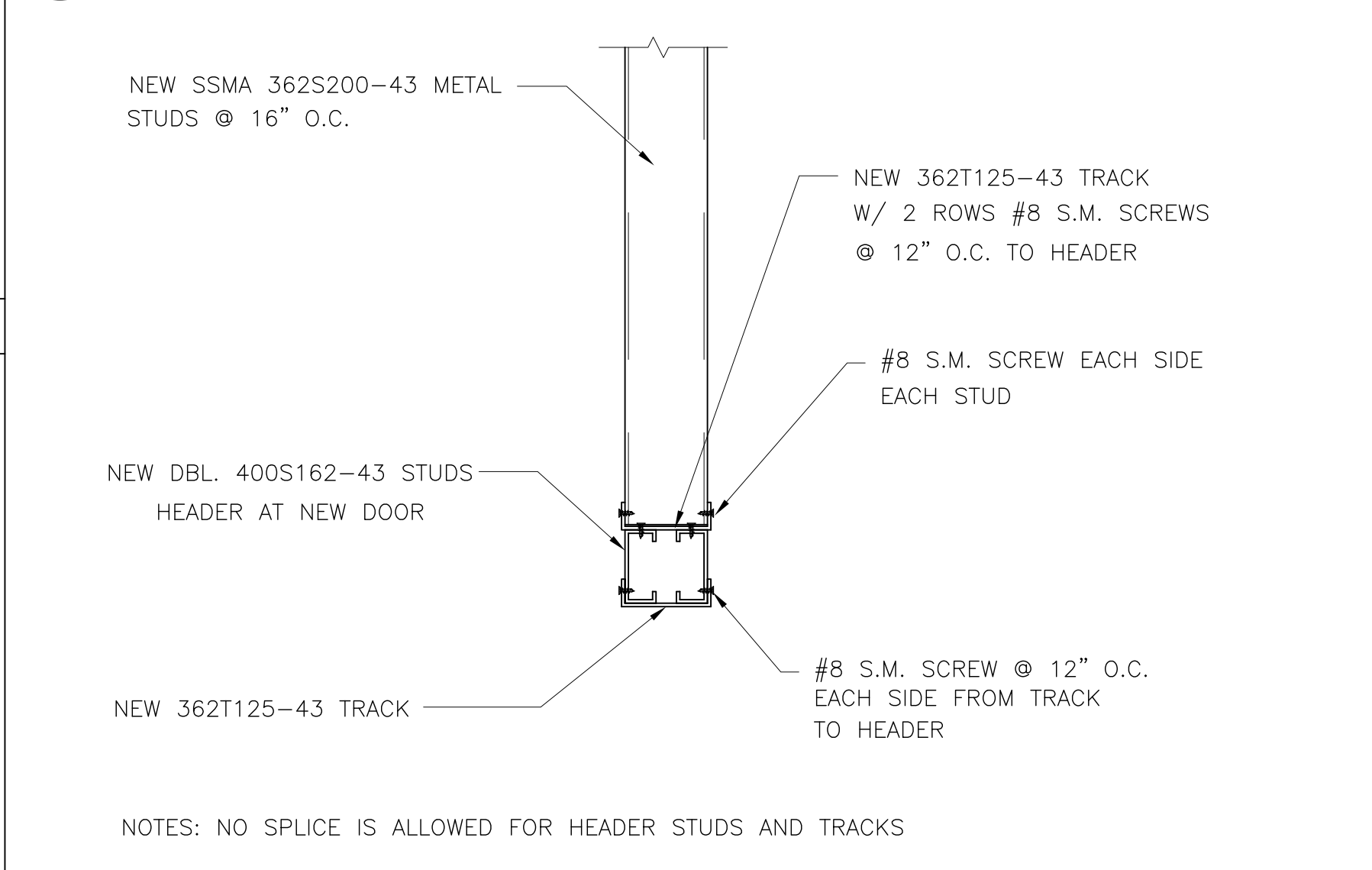
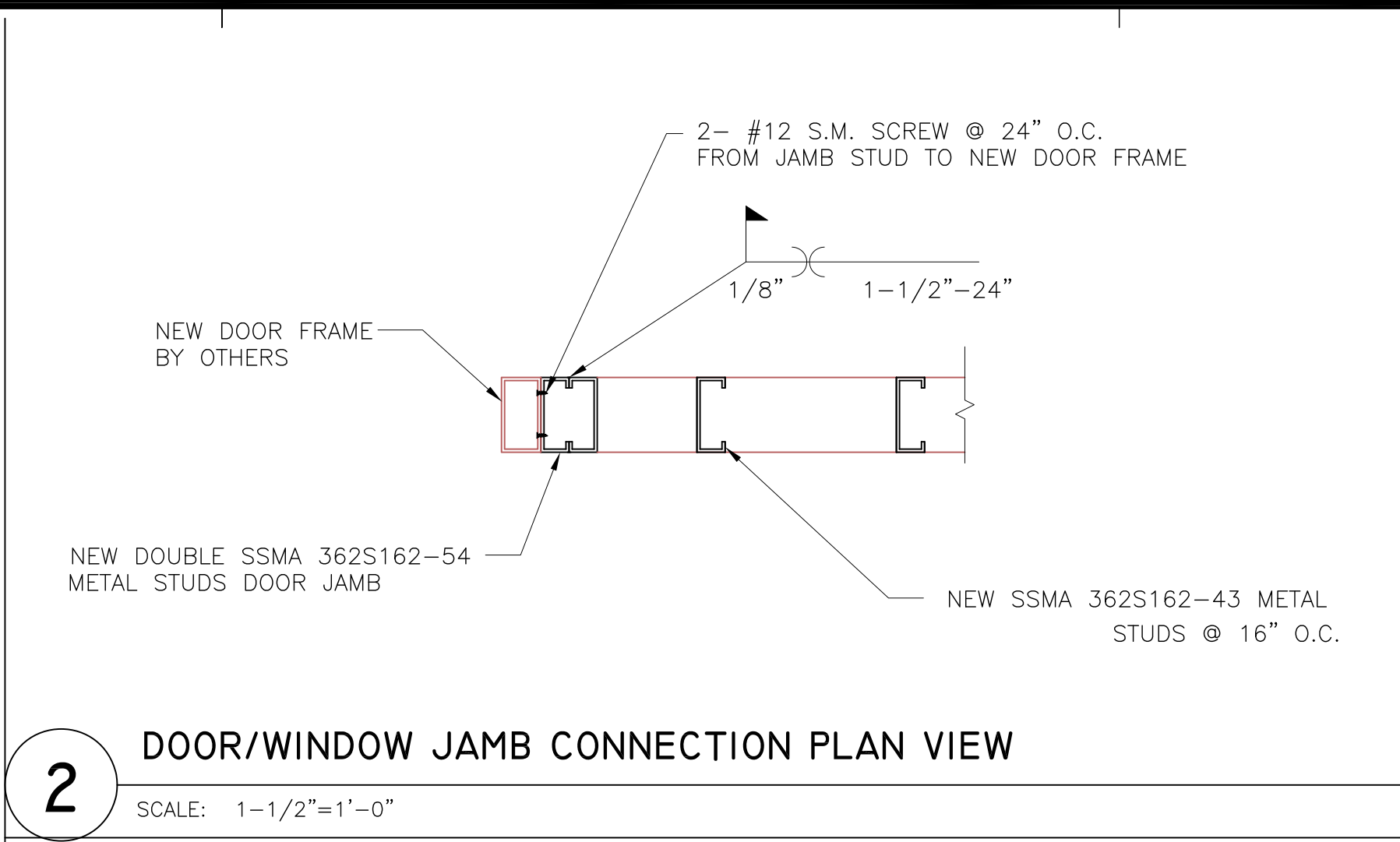
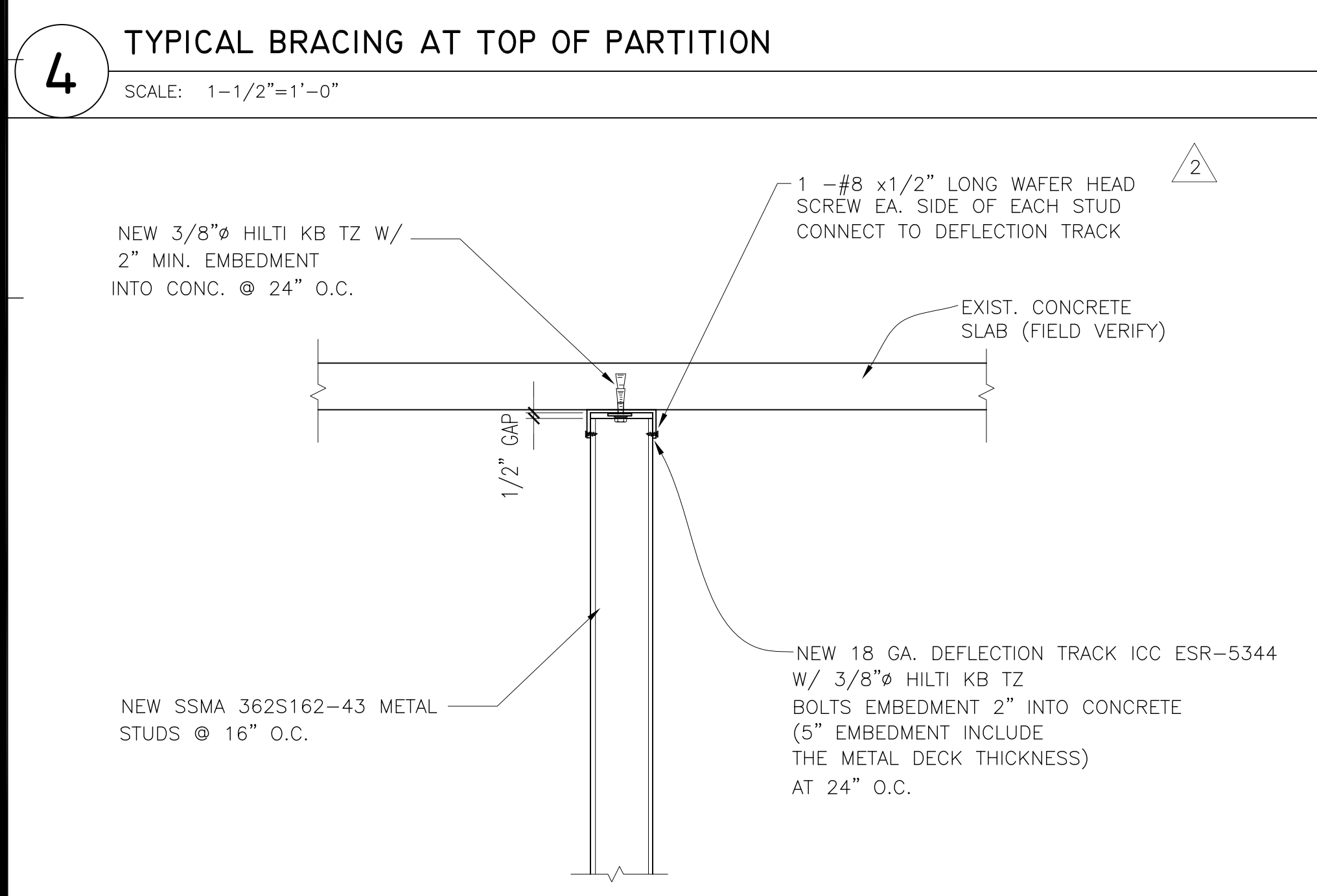
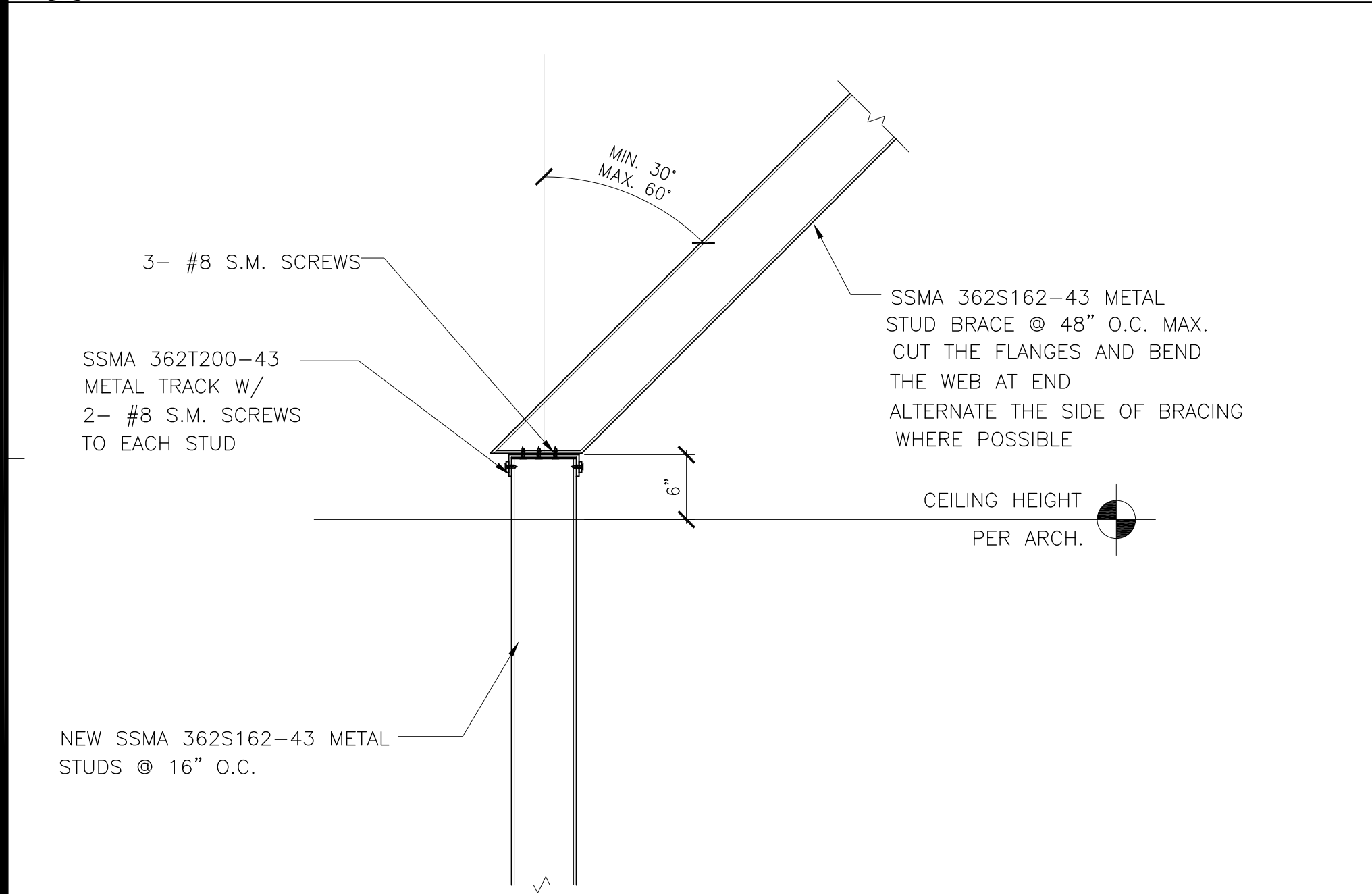
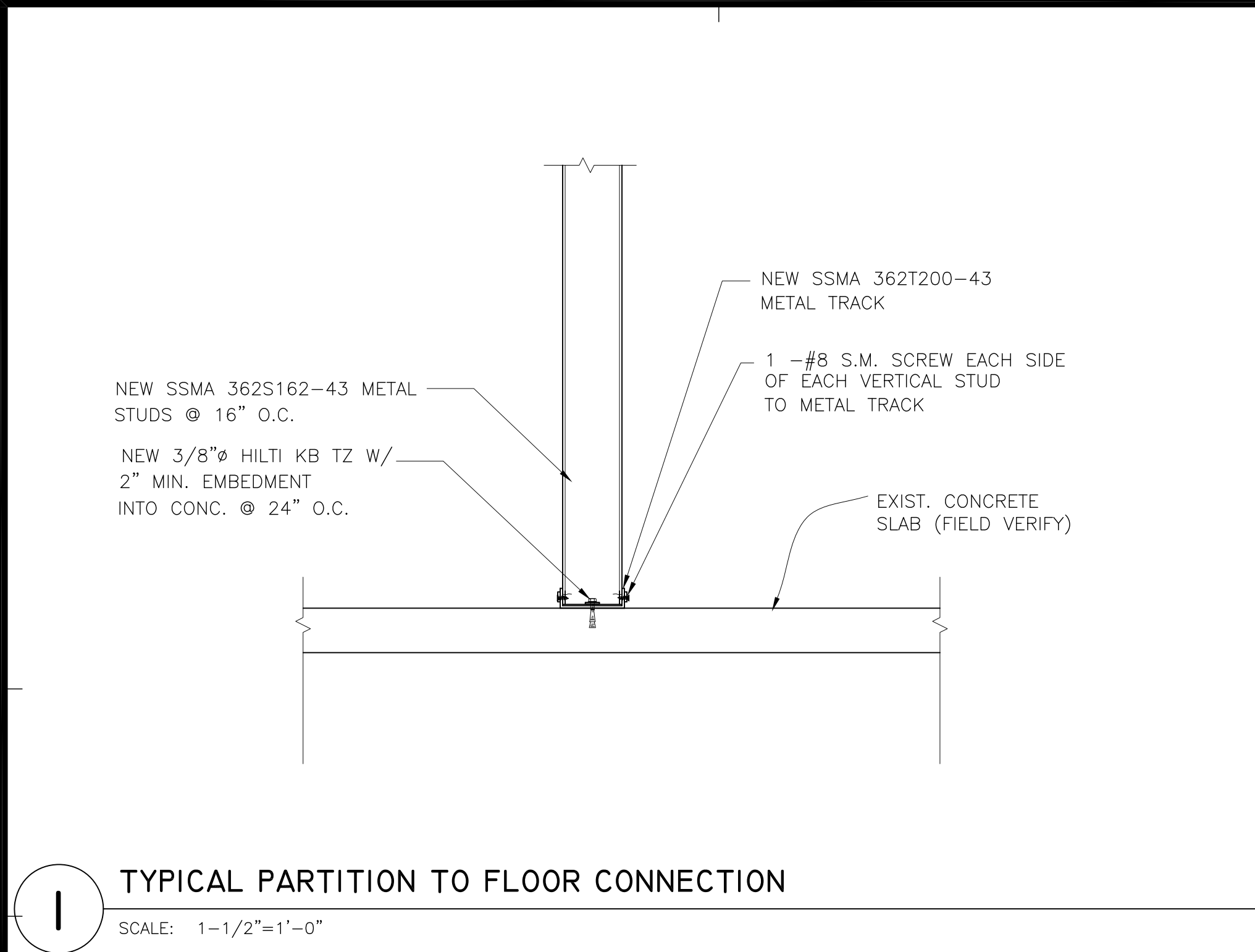
3 ANCHORAGE FOR WALL MOUNTED SINK

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4 SOFFIT CONNECTION DETAIL

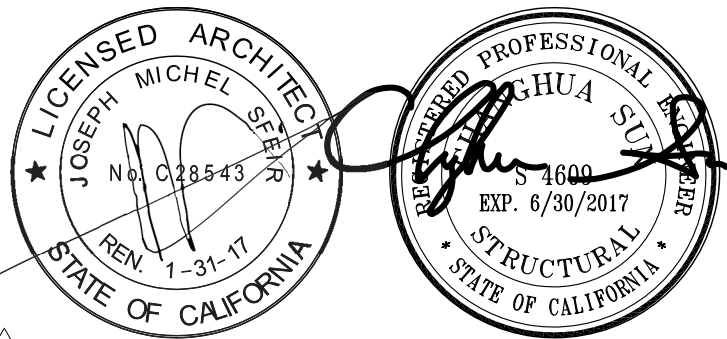
SCALE: 1"=1'-0"



TCMC SCHIFF FAMILY NICU RENOVATION

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OWNER:	TRI-CITY MEDICAL CENTER 4002 VISTA WAY OCEANSIDE, CALIFORNIA 92056 TEL(760)724-8411
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ME&P:	DESIGN WEST ENGINEERING 5151 SHOREHAM PLACE, SUITE 240 SAN DIEGO, CALIFORNIA 92122 TEL(619)330-6043



REV	DESCRIPTION	DATE
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SD6

TCMC SCHIFF FAMILY NICU RENOVATION

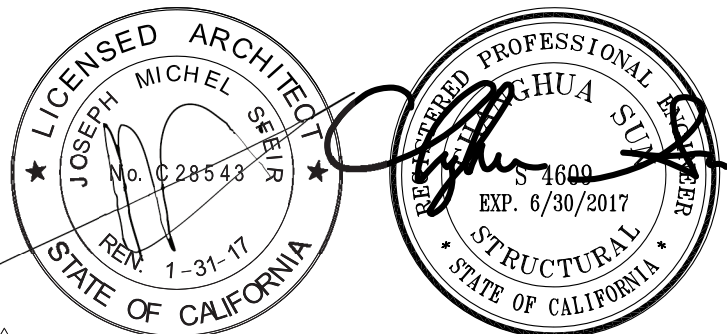
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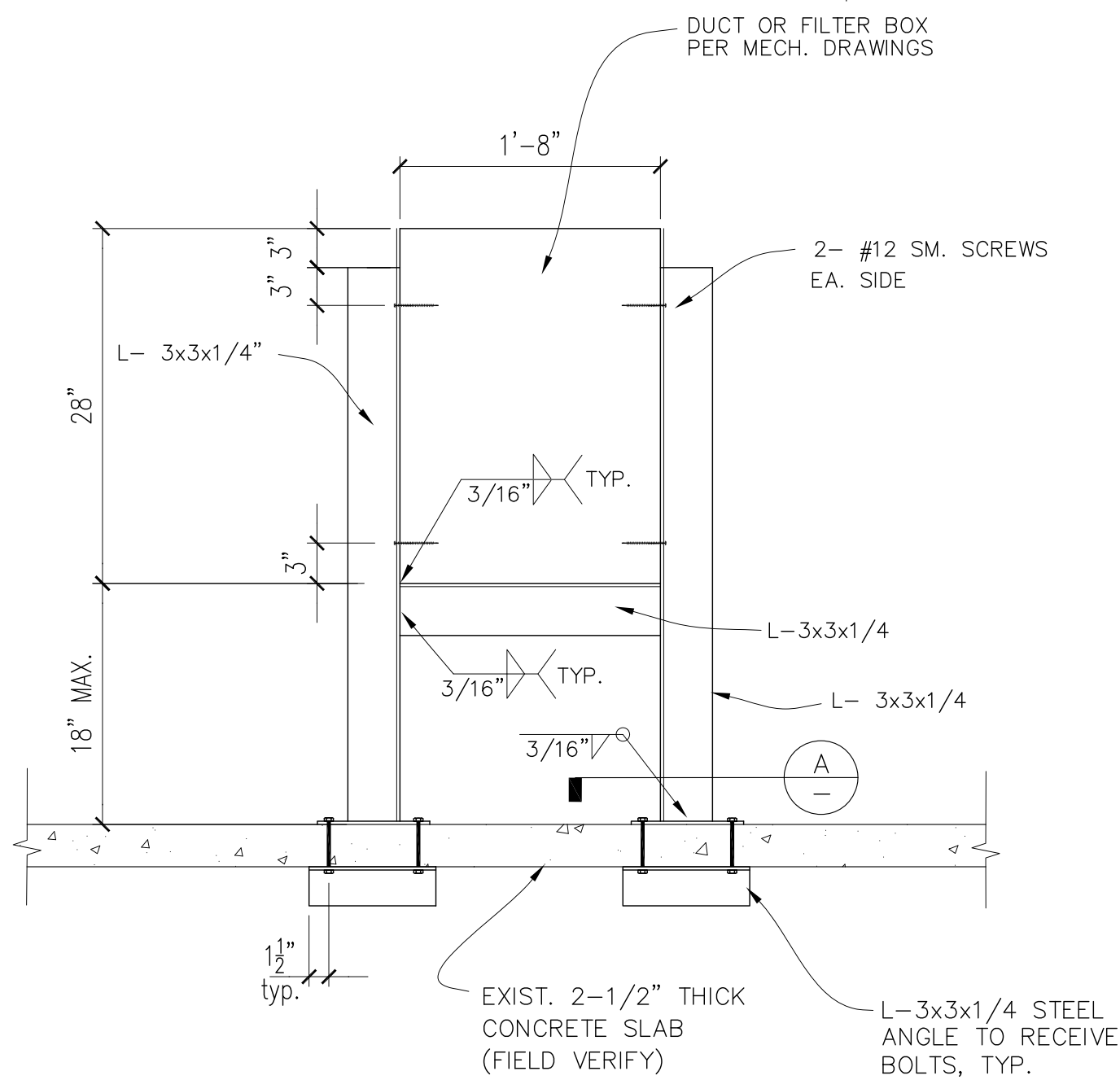
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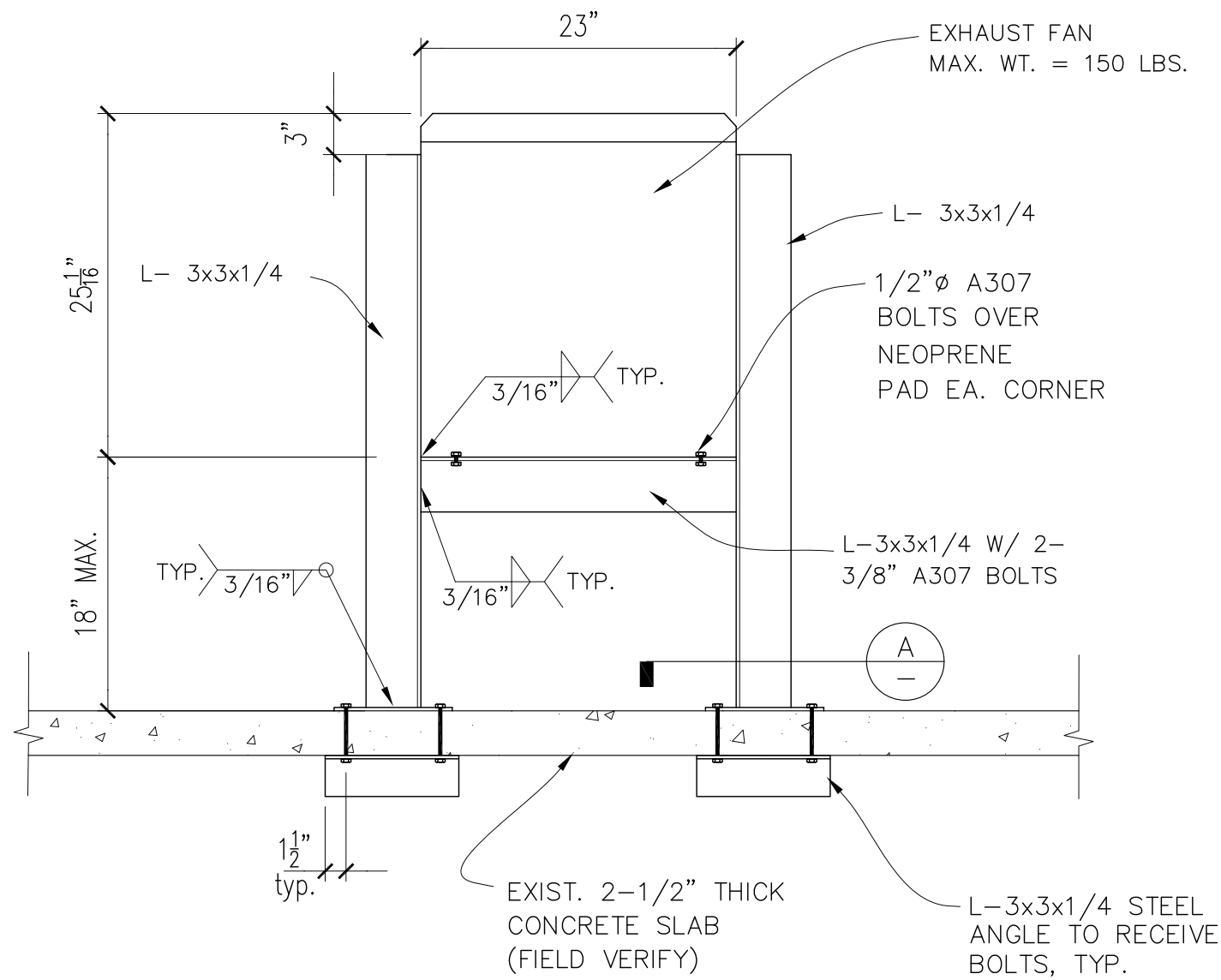
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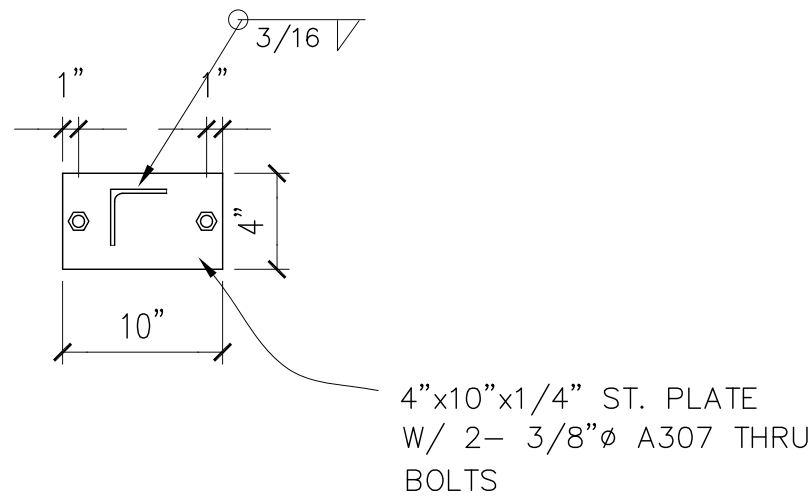
SD7



A BASE PLATE DETAIL
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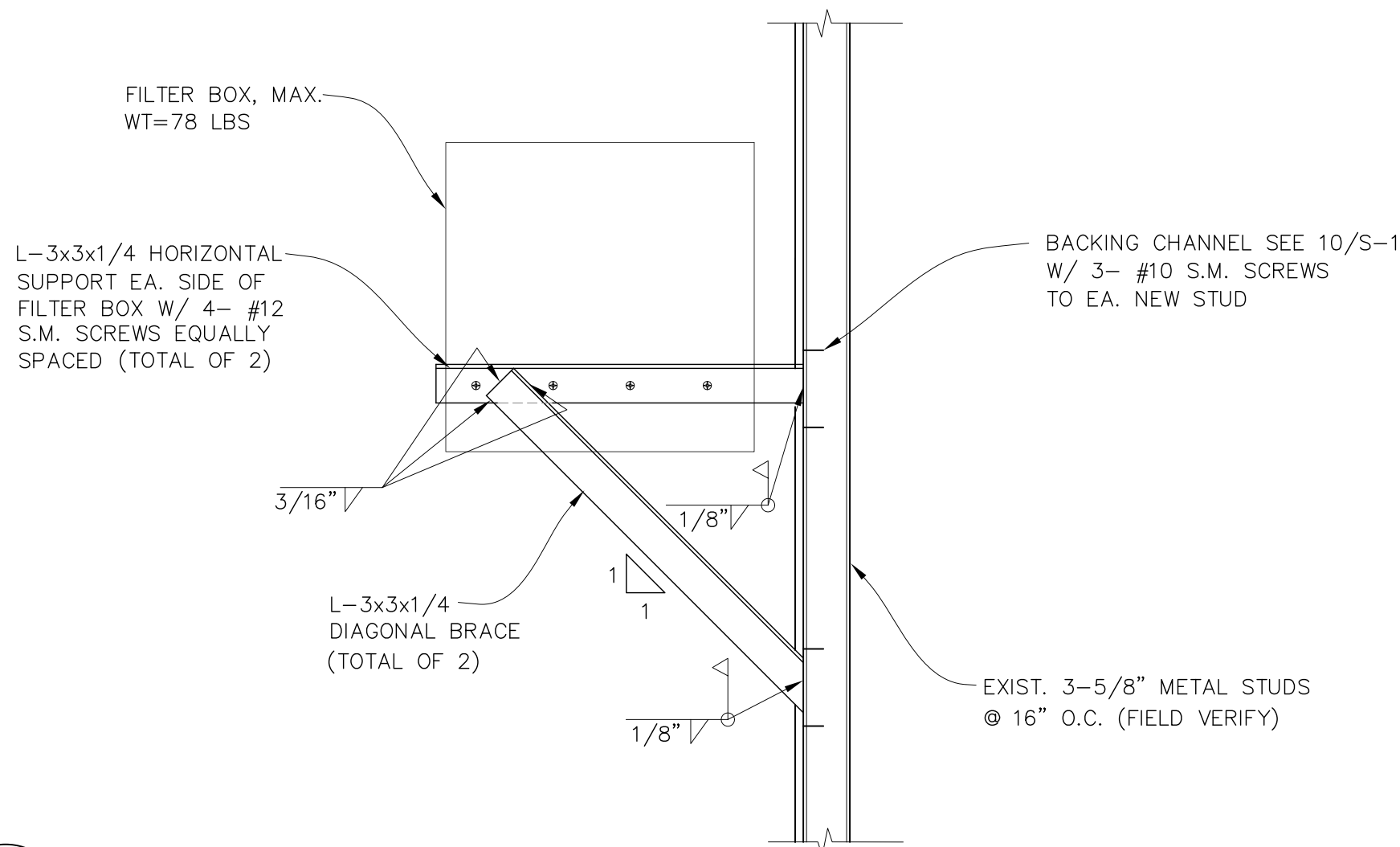


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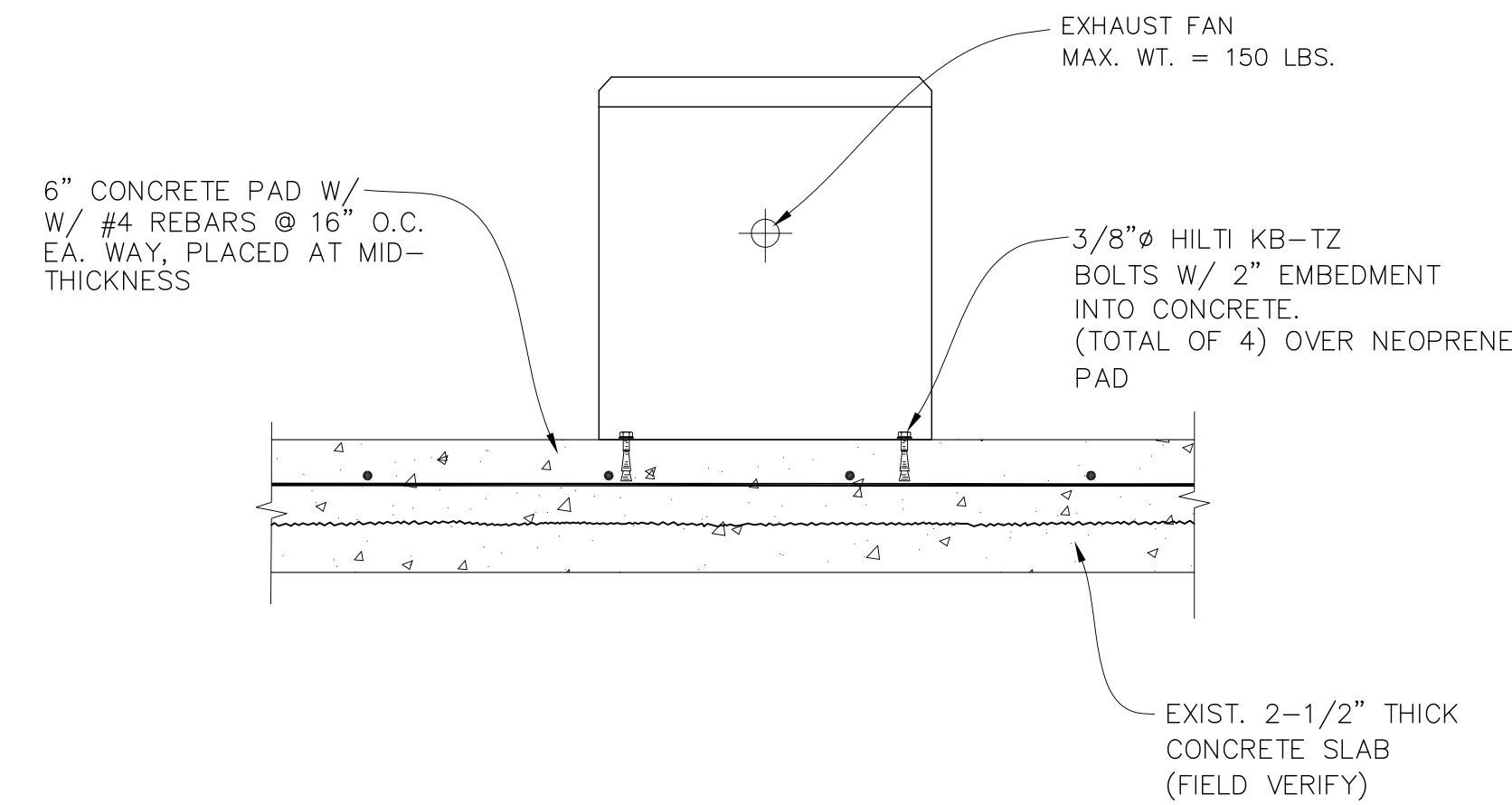


1 DUCT/FILTER BOX ABOVE ROOF SUPPORT
SCALE: 1"=1'-0"

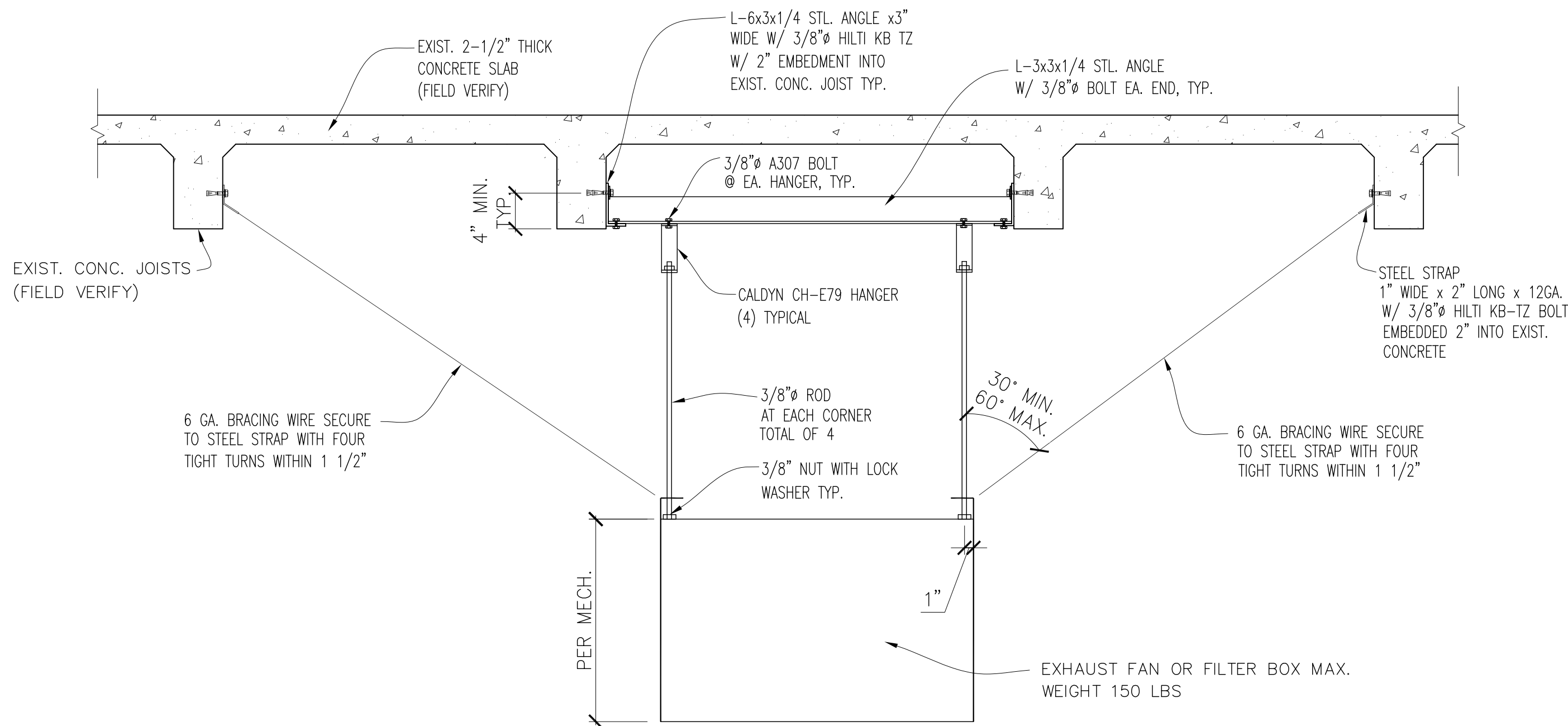
2 EXHAUST FAN ABOVE ROOF SUPPORT
SCALE: 1"=1'-0"



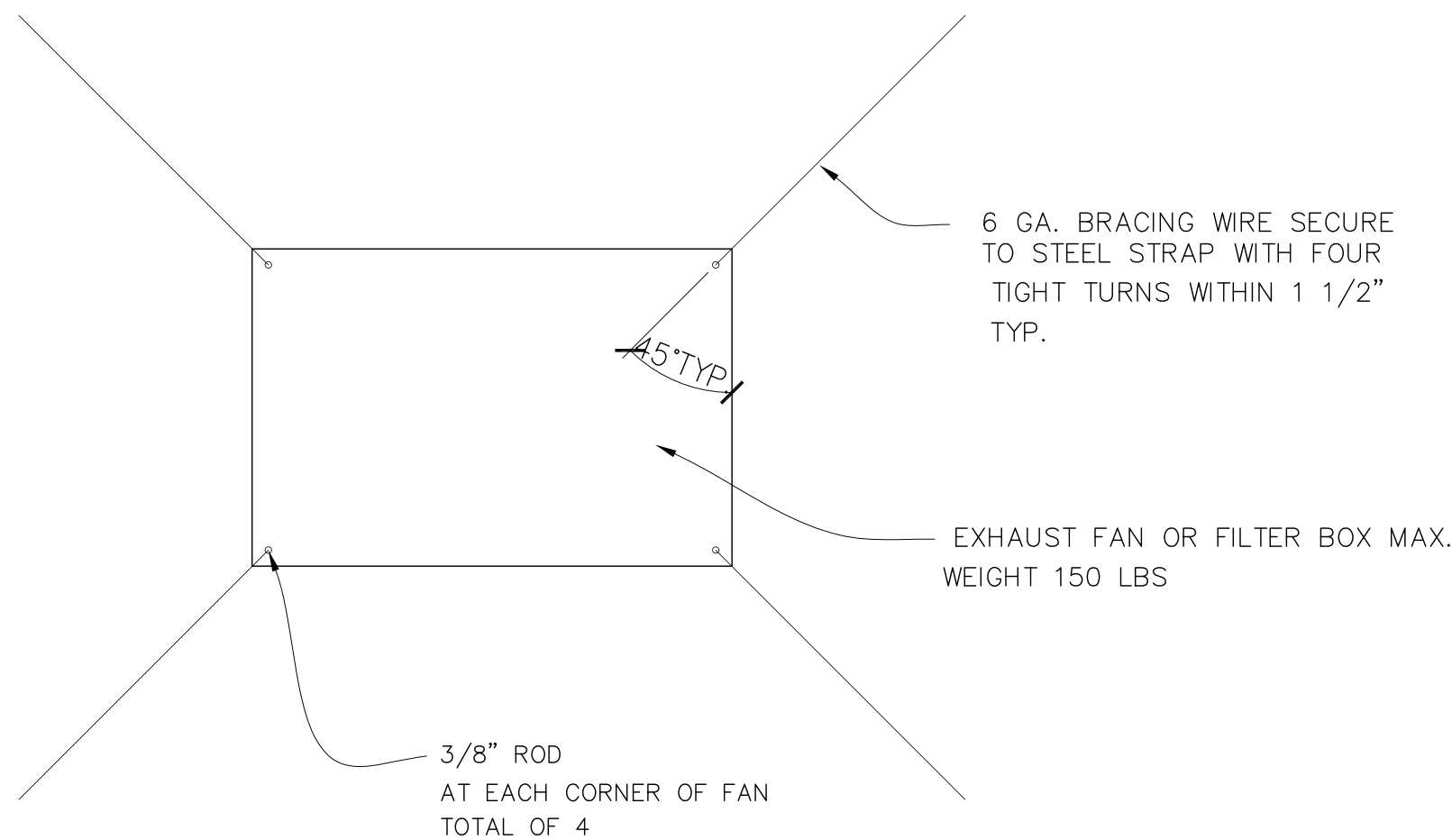
3 FILTER BOX INSIDE CLOSET SUPPORT
SCALE: 1"=1'-0"



4 EXHAUST FAN INSIDE CLOSET SUPPORT
SCALE: 1"=1'-0"



5 FILTER BOX OR EXHAUST FAN ABOVE-CEILING SUPPORT
SCALE: 1"=1'-0"



PLAN VIEW

PRINTED: 3/24/2017 2:13:18 PM
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EXHAUST FAN SCHEDULE

TYPE	MARK	MFR	MODEL	AIR FLOW		FAN RPM	MOTOR HP	MOTOR DUTY	ELECTRICAL			WEIGHT LBS.	OSP #	ANCHORAGE DETAIL	ACCESSORIES
				CFM	ESP				VOLTAGE	PHASE	Hz				
EF	1	LOREN COOK	70CPS	500 CFM	0.50 in-wg	2349	.205	INVERTER DUTY	208 V	3	60 Hz	325	OSP-0102-10	4/M3.1	1, 2, 3, 4, 5, 6, 7, 8, 9 & 10

1. PROVIDE WITH STEEL ACCESS DOOR-HINGE.
2. PROVIDE WITH STEEL DRAIN.
3. PROVIDE WITH OSHA BGMVC WITH ACCESS DOOR.
4. PROVIDE WITH EXTENDED LUBE LINES.
5. PROVIDE WITH BELT TENSIONER-ROTARY.
6. PROVIDE WITH ISOLATION BASE.
7. PROVIDE WITH SRS2-135 SET (4) - ISOLATORS.
8. PROVIDE WITH 4000+ HOUR SALT SPRAY COATING.
9. PROVIDE WITH ROOF CURB.
10. ABB ACH550-BCR, 4.6A, 1HP VFD WITH NEMA 3R ENCLOSURE MOUNTED ADJACENT TO FAN. OSP-083-10

AIR DISTRIBUTION SCHEDULE

TYPE	DESCRIPTION	MFR.	MODEL	ACCESSORIES
4x4 CE	EXHAUST GRILLE, FIXED DEFLECTION, ALUMINUM	KRUEGER	5810	FRAME 22 SURFACE MOUNT
6x6 CD	CEILING DIFFUSER, MODULAR CORE, ALUMINUM	KRUEGER	51240	FRAME 22 SURFACE MOUNT
6x6 CE	EXHAUST GRILLE, FIXED DEFLECTION, ALUMINUM	KRUEGER	5810	FRAME 22 SURFACE MOUNT
8x6 CE	EXHAUST GRILLE, FIXED DEFLECTION, ALUMINUM	KRUEGER	5810	FRAME 22 SURFACE MOUNT
8x6 CD	CEILING DIFFUSER, MODULAR CORE, ALUMINUM	KRUEGER	51240	FRAME 22 SURFACE MOUNT
8x6 CE	EXHAUST GRILLE, FIXED DEFLECTION, ALUMINUM	KRUEGER	5810	FRAME 22 SURFACE MOUNT
10x10 CD	CEILING DIFFUSER, MODULAR CORE, ALUMINUM	KRUEGER	51240	FRAME 22 SURFACE MOUNT
10x10 CE	EXHAUST GRILLE, FIXED DEFLECTION, ALUMINUM	KRUEGER	5810	FRAME 22 SURFACE MOUNT
12x8 EG	SIDE WALL EXHAUST GRILLE, ALUMINUM	KRUEGER	S585	HORIZONTAL BLADES
12x8 SG	SIDE WALL SUPPLY GRILLE, ALUMINUM	MetalAir	LBG SERIES	HORIZONTAL BLADES, OPPOSED BLADE DAMPER
12x12 CD	CEILING DIFFUSER, MODULAR CORE, ALUMINUM	KRUEGER	51240	FRAME 22 SURFACE MOUNT
16x5 SG	SIDE WALL SUPPLY GRILLE, ALUMINUM	MetalAir	LBG SERIES	HORIZONTAL BLADES
16x10 EG	SIDE WALL EXHAUST GRILLE, ALUMINUM	KRUEGER	S585	HORIZONTAL BLADES
16x16 CE	EXHAUST GRILLE, FIXED DEFLECTION, ALUMINUM	KRUEGER	5810	FRAME 22 SURFACE MOUNT
24x12 CE	EXHAUST GRILLE, FIXED DEFLECTION, ALUMINUM	KRUEGER	5810	FRAME 22 SURFACE MOUNT
24x12 EG	SIDE WALL EXHAUST GRILLE, ALUMINUM	KRUEGER	S585	HORIZONTAL BLADES

SUPPLY FAN SCHEDULE

<div>SF 1</div> <div>MANUFACTURER: LOREN COOK</div> <div>MODEL: 150-SQN-D</div> <div>DIMENSIONS: 23" X 23"</div> <div>WEIGHT: 95 LBS</div> <div>ELECTRICAL: 460 V, 3Ø, 60 Hz</div> <div>OPTIONS: PROVIDE WITH SPEED DRIVE TO CONTROL SPEED TO MATCH STATIC PRESSURE ACROSS THE FILTER.</div>	<div>SF 4</div> <div>MANUFACTURER: LOREN COOK</div> <div>MODEL: 150-SQN-D</div> <div>DIMENSIONS: 23" X 23"</div> <div>WEIGHT: 95 LBS</div> <div>ELECTRICAL: 460 V, 3Ø, 60 Hz</div> <div>OPTIONS: PROVIDE WITH SPEED DRIVE TO CONTROL SPEED TO MATCH STATIC PRESSURE ACROSS THE FILTER.</div>	<div>SF 5</div> <div>MANUFACTURER: LOREN COOK</div> <div>MODEL: 150-SQN-D</div> <div>DIMENSIONS: 23" X 23"</div> <div>WEIGHT: 95 LBS</div> <div>ELECTRICAL: 460 V, 3Ø, 60 Hz</div> <div>OPTIONS: PROVIDE WITH SPEED DRIVE TO CONTROL SPEED TO MATCH STATIC PRESSURE ACROSS THE FILTER.</div>
<div>SF 2</div> <div>MANUFACTURER: LOREN COOK</div> <div>MODEL: 165-SQN-D (TOP DISCHARGE)</div> <div>DIMENSIONS: 25-5/16" X 25-5/16"</div> <div>WEIGHT: 108 LBS</div> <div>ELECTRICAL: 460 V, 3Ø, 60 Hz</div> <div>OPTIONS: PROVIDE WITH SPEED DRIVE TO CONTROL SPEED TO MATCH STATIC PRESSURE ACROSS THE FILTER.</div>	<div>SF 3</div> <div>MANUFACTURER: LOREN COOK</div> <div>MODEL: 165-SQN-D (TOP DISCHARGE)</div> <div>DIMENSIONS: 25-5/16" X 25-5/16"</div> <div>WEIGHT: 108 LBS</div> <div>ELECTRICAL: 460 V, 3Ø, 60 Hz</div> <div>OPTIONS: PROVIDE WITH SPEED DRIVE TO CONTROL SPEED TO MATCH STATIC PRESSURE ACROSS THE FILTER.</div>	<div>NOTE:</div> <div>CONTRACTOR SHALL PROVIDE NEW SMOKE DETECTOR ON SF-1/AHU-2 FOR UNIT SHUTDOWN. REFER TO SHEET M1.2.</div>

FILTER BOX SCHEDULE

<div>FB 1</div> <div>FB 4</div> <div>FB 5</div> <div>MFR. & MODEL NO.: CAMFIL GLIDEPACK UNITRACK SIDE ACCESS FILTER HOUSING</div> <div>SIZE: 1H x 1.5W (27.25" HIGH X 34.75 WIDE X 13" DEEP)</div> <div>FILTERS: DURAFIL-ES MERV-14</div> <div>OPTIONS: DIFFERENTIAL PRESSURE SWITCH WITH RED LINE SET TO MANUFACTURERS RECOMMENDATION OF DOUBLE THE INITIAL PRESSURE. INITIAL PRESSURE DROP = 0.27 FILTER CHANGE = 0.54 NEVER TO EXCEED = 1.5"</div> <div>NOTE: ALL PARTICULATE FILTERS SHALL COMPLY TO ASHRAE 52.2-2007 INCLUDING APPENDIX J. FILTER EFFICIENCY SHALL BE MAINTAINED THROUGH OUT THE ENTIRE LIFE OF THE FILTERS.</div>	<div>FB 2</div> <div>FB 3</div> <div>FB 5</div> <div>MFR. & MODEL NO.: CAMFIL GLIDEPACK UNITRACK SIDE ACCESS FILTER HOUSING</div> <div>SIZE: 1H x 2W (27.25" HIGH X 46.75 WIDE X 13" DEEP)</div> <div>FILTERS: DURAFIL-ES MERV-14</div> <div>OPTIONS: DIFFERENTIAL PRESSURE SWITCH WITH RED LINE SET TO MANUFACTURERS RECOMMENDATION OF DOUBLE THE INITIAL PRESSURE. INITIAL PRESSURE DROP = 0.27 FILTER CHANGE = 0.54 NEVER TO EXCEED = 1.5"</div> <div>NOTE: ALL PARTICULATE FILTERS SHALL COMPLY TO ASHRAE 52.2-2007 INCLUDING APPENDIX J. FILTER EFFICIENCY SHALL BE MAINTAINED THROUGH OUT THE ENTIRE LIFE OF THE FILTERS.</div>
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AIR BALANCE TABLE

Air Balance Relationship 3RD Floor NICU															
Room Name	Usage	Area (ft²)	Qty. (ft)	Volume (ft³)	Air Change Required	CFM Req'd	CFM Pkg S	CFM Req EX	CFM Pkg EX	OSA A/C Required	OSA A/C Proposed	CFM OSA Proposed	Relationship	Supply	Return
308	Critical Care Nursery	1602	9	14418	6	1442	1510	0	0	2	491	1510	P	1510	0
354	Nurse Station	241	9	2169	2	72	270	72	110	2	72	270	N	270	0
363	Clean Utility	167	9	1503	4	0	200	100	110	2	50	200	P	200	0
320	Toilet	29	9	261	10	44	0	0	0	0	0	0	N	0	0
362	Equipment Holding	182	9	1638	4	0	200	109	110	2	55	200	P	200	0
361	Soloid Utility	100	9	900	4	60	200	0	0	2	30	200	N	200	0
360	Corridor	135	9	1215	2	0	0	41	110	2	41	0	E	0	0
359	Formula Prep	125	9	1125	6	113	140	0	0	2	38	140	E	140	0
352	Unit Sec	108	9	972	6	97	140	0	0	2	32	140	E	140	0
351	Office	168	9	1494	4	0	150	100	110	2	50	150	P	150	0
349	Waiting	120	9	1080	10	180	180	0	0	2	36	180	N	180	0
348	Toilet	29	9	261	10	0	0	44	110	0	44	0	N	0	0
350	Female Public Toilet	60	9	540	2	18	65	0	95	2	18	65	N	65	0
348	Corridor	132	9	1188	2	40	0	0	95	2	40	0	E	0	0
358	Equip Storage	58	9	522	2	17	75	0	95	2	17	75	E	75	0
357	Staff Lounge	92	9	828	2	28	125	0	95	2	28	125	E	125	0
347	Storero	46	9	414	6	41	50	0	80	2	14	50	E	50	0
355	Male Public Toilet	58	9	522	10	87	50	0	80	0	0	50	N	50	0
345	Clean Linen	25	9	225	2	8	75	0	80	2	8	75	P	75	0
353A	Toilet	24	9	216	10	36	0	0	80	0	0	0	P	0	0
353	Locker	103	9	927	2	31	150	0	80	2	31	150	P	150	0
356	Corridor	763	9	7047	2	235	460	0	80	2	235	460	P	460	0
337	1-Bed	167	9	1503	6	150	175	0	80	2	50	175	P	175	0
336	1-Bed	152	9	1368	6	137	175	0	80	2	46	175	P	175	0
335	1-Bed	149	9	1341	6	134	175	0	80	2	45	175	P	175	0
334	1-Bed	163	9	1467	6	147	175	0	80	2	49	175	P	175	0
332	1-Bed	161	9	1449	6	145	175	0	80	2	48	175	P	175	0
332	1-Bed	159	9	1431	6	143	175	0	80	2	46	175	P	175	0
331	1-Bed	162	9	1458	6	146	175	0	80	2	49	175	P	175	0
330	1-Bed	168	9	1512	6	151	175	0	80	2	50	175	P	175	0
329	1-Bed	166	9	1494	6	149	175	0	80	2	50	175	P	175	0
328	1-Bed	166	9	1494	6	149	175	0	80	2	50	175	P	175	0
327	Isolation Room	197	9	1773	12	355	360	0	80	2	59	360	N	360	0
327A	Ante Room	92	9	828	10	138	140	0	80	2	28	140	P	140	0
339	Corridor	900	9	8100	4	540	540	0	80	2	270	540	N	540	0
342	LACT	57	9	513	6	51	75	0	80	2	17	75	P	75	0
341	Formula Prep	94	9	846	6	85	100	0	80	2	28	100	P	100	0
343	Clean Utility	160	9	1440	6	144	175	0	80	2	48	175	P	175	0
340	Nurse Station	100	9	900	4	60	100	0	80	2	30	100	P	100	0
338	1-Bed	138	9	1242	6	124	135	0	80	2	41	135	P	135	0
344	Janitor	28	9	252	12	10	0	0	80	0	0	0	N	0	0
		7794				5598	7415	485	3040	72	2279	7415	0	7415	0

HVAC LEGEND

SYMBOLS	ABBREVIATIONS	DESCRIPTIONS
		SQ., RECT., or ROUND DUCT SIZE AS NOTED
		DUCT WITH ACOUSTICAL LINER
		EXISTING DUCT OR EQUIPMENT TO REMAIN
		EXISTING DUCT OR EQUIPMENT TO BE REMOVED
		FLEXIBLE DUCT
	CD	CEILING DIFFUSER, SUPPLY
	CR / CE	CEILING REGISTER, RETURN / EXHAUST
		SECTION THROUGH DUCT
		DUCT DOWN
		RECTANGULAR TO ROUND TRANSITION
		MITERED DUCT ELBOW WITH TURNING VANES
	SFD	SMOKE FIRE DAMPER WITH ACCESS DOOR
	MVD	MANUAL VOLUME DAMPER, LOCKING QUADRANT TYPE FOR ROUND DUCT OR OPPOSED BLADE TYPE FOR RECT DUCT.
		EQUIPMENT DESIGNATION AND NUMBER
	TSTAT	THERMOSTAT
		HUMIDISTAT
		DUCT DETECTOR
		REMOTE SENSOR
	CFM	CUBIC FEET OF AIR PER MINUTE
	CFMS	CFM SUPPLY
	CFMR	CFM RETURN
	CFME	CFM EXHAUST
	(E) or EXIST.	EXISTING
	(N)	NEW
	30"x10"	INDICATES RECTANGULAR DUCT SIZE: WIDTH x HEIGHT
	12"Ø	INDICATES ROUND DUCT SIZE: DIAMETER
	POC	POINT OF CONNECTION
	POD	POINT OF DEMOLITION

DUCT SUPPORT NOTES

1. SUPPORT AND BRACING FOR NEW PIPING, EXCEPT FIRE SPRINKLER PIPING, AND FOR NEW DUCTWORK SHALL BE PROVIDED PER OPM-0043-13 MASON SEISMIC RESTRAINT COMPONENTS FOR SUSPENDED UTILITIES OR OTHER APPROVED OSHPD OPM.
2. LAYOUT DRAWINGS, SHOWING THE BRACING/SUPPORT LOCATIONS AND REFERENCES TO DETAILS FROM THE RELEVANT OSHPD PRE-APPROVALS NEED TO BE SUBMITTED FOR USE BY THE INSPECTOR OF RECORD AND OSHPD FIELD STAFF. THE LAYOUT DRAWINGS, PREPARED PER ASCE 7 CHAPTER 13 AS MODIFIED BY 2013 CBC SECTIONS 1613A/1616A, SHALL BE PREPARED BY THE SUBCONTRACTOR AND SIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA. REFERENCES TO DETAILS FROM THE OSHPD PRE-APPROVAL SHALL BE FOR AN ENTIRE DETAIL AS SUBMITTED OR REFERENCE SHALL BE FOR EACH ASPECT OF A SUBMITTED DETAIL. CUSTOM DETAILS SHALL BE PROVIDED FOR SITUATIONS WHERE OSHPD PRE-APPROVALS DO NOT APPLY. AT LEAST FOUR WEEKS PRIOR TO BEGINNING INSTALLATION, FOUR COPIES OF THE PLANS SHALL BE SUBMITTED TO THE ARCHITECT OF RECORD WHO WILL SUBMIT THEM TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND APPROVAL. AFTER THIS APPROVAL, THE RECORDS WILL BE SUBMITTED TO THE OSHPD DISTRICT STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. THE PLANS SHALL BE COORDINATED WITH THE PLANS OF OTHER TRADES. A COPY OF THE CHOSEN BRACING SYSTEM INSTALLATION GUIDEMANUAL SHALL BE ON THE JOBSITE PRIOR TO STARTING THE INSTALLATION.
3. THE STRUCTURAL ENGINEER FOR THE CONTRACTOR SHALL DETERMINE THE APPROPRIATE SEISMIC FORCES BASED ON THE DESIGN CRITERIA SHOWN ON THE STRUCTURAL DRAWINGS.
4. ONCE THE EXACT LOCATIONS OF ALL PIPING AND DUCTWORK HAVE BEEN ESTABLISHED, THE STRUCTURAL ENGINEER MUST CHECK THE ADEQUACY OF THE SUPPORTING STRUCTURE TO ENSURE THAT THE ORIGINAL DESIGN IS STILL ADEQUATE. THE INSPECTOR OF RECORD SHALL INSURE THAT ALL WORK IS PROPERLY INSTALLED PER THE APPLICABLE OSHPD PRE-APPROVAL.
5. WORK EXEMPT FROM CONSTRUCTION DOCUMENTS REVIEW BY THE CBC 2013 SECTION 105.2 OR ASCE 7 SECTION 13.1.4 NEED NOT BE DETAILED ON THE CONSTRUCTION DOCUMENTS. EXEMPTIONS FROM CONSTRUCTION DOCUMENTS REVIEW REQUIREMENTS OF THE CODE SHALL NOT BE DEEMED TO GRANT AUTHORIZATION FOR ANY WORK TO BE DONE IN ANY MANNER IN VIOLATION OF THE PROVISIONS OF THIS CODE OR ANY OTHER LAWS OR ORDINANCES OF THIS JURISDICTION. THE INSPECTOR OF RECORD (IOR) SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED.
6. THE INTENT OF THE CONSTRUCTION DOCUMENTS IS TO RECONSTRUCT THE BUILDING IN ACCORDANCE WITH THE CBCS 2013. SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE CONSTRUCTION DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE CBCS 2013, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.

ISOLATION ROOM CONTROL SYSTEM

MFR. & MODEL:	TSI ISOLATION ROOM CONTROL WITH ANTE ROOM MONITOR.
DEVICES:	SUPPLY FLOW SENSOR, (2) THRU THE WALL SENSORS, EXHAUST FLOW SENSORS TOUCHSCREEN INTERFACE.
CONTROL OPTION:	CONTROL EXHAUST FLOW SEQUENCE OF OPERATION.

ANCHORAGE AND BRACING NOTES

PIPES, DUCTS AND CONDUITS SHALL BE SUPPORTED AND BRACED PER MASON OPM-0043-13, B-4/NET/OLCO OPM-0052-13.

MECHANICAL SHEET INDEX

Sheet #	Sheet Name
M0.1	MECHANICAL LEGEND, NOTES & SCHEDULES
M1.1	MECHANICAL DEMOLITION PLAN
M1.2	MECHANICAL EXISTING EQUIPMENT PLAN
M1.3	MECHANICAL DEMOLITION ROOF PLAN
M2.1	MECHANICAL REMODEL FLOOR PLAN
M2.2	MECHANICAL ROOF PLAN
M3.1	MECHANICAL DETAILS

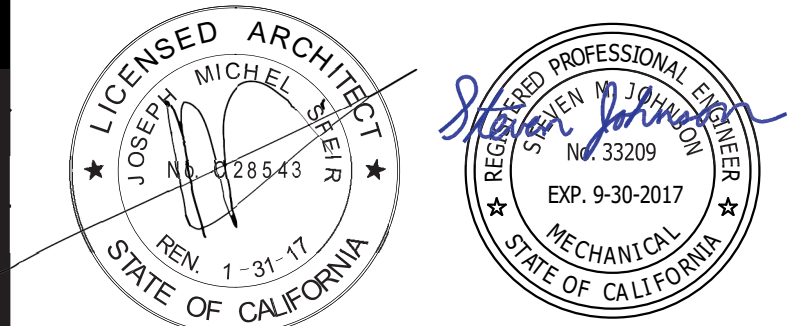
MECHANICAL GENERAL NOTES







1. THE TOTAL INSTALLATION SHALL COMPLY WITH ANY AND ALL REQUIREMENTS OF THE LEGALLY CONSTITUTED AUTHORITY/HAVING JURISDICTION INCLUDING 2013 CBC (CALIFORNIA BUILDING CODE) AND 2013 CMIC/CPIC (CALIFORNIA MECHANICAL AND PLUMBING CODE).
2. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO WORK.
3. ALL INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY. BEFORE PROCEEDING WITH THE WORK THIS CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS, SIZES, REQUIRED CLEARANCES AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF ALL EQUIPMENT AND MATERIALS HEREIN REQUIRED TO OTHER PARTS OF THE WORK OF OTHER TRADES.
4. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT ALL OFFSETS, BENDS, SPECIAL FITTINGS AND LOCATIONS ARE NOT EXACTLY LOCATED. ALL DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE NET INSIDE DIMENSIONS. DO NOT FABRICATE DUCTWORK FROM THESE DRAWINGS. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR SUPPLYING SHOP DRAWINGS WHICH REFLECT THE PROPOSED INSTALLATION. THE SHOP DRAWINGS MUST BE APPROVED BY THE ENGINEER PRIOR TO ANY SHEET METAL FABRICATION. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ACCURATE AS-BUILT DRAWINGS AT THE COMPLETION OF THE PROJECT AND SUBMITTING THEM TO THE ENGINEER AND OWNER.
5. IN THE PREPARATION OF THESE DOCUMENTS, CERTAIN ASSUMPTIONS ARE MADE REGARDING EXISTING CONDITIONS. SOME OF THESE ASSUMPTIONS MAY NOT BE VERIFIABLE WITHOUT EXPENDING ADDITIONAL SUMS OF MONEY OR DESTROYING OTHERWISE ADEQUATE OR SERVICEABLE PORTIONS OF EXISTING BUILDINGS AND/OR EQUIPMENT. THEREFORE, THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR ANY CHANGES OR ADDITIONAL COSTS INCURRED DUE TO EXISTING CONDITIONS.
6. THE CONTRACTOR SHALL COMPLY WITH ALL CONTRACT DOCUMENTS IN LAYING OUT HIS WORK AND EQUIPMENT. HE SHALL COORDINATE THE WORK OF THIS SECTION WITH THE WORK OF OTHER TRADES AND ALL JOB CONDITIONS.
7. THE INSTALLATION OF ACCESS PANELS OR OTHER INDICATING EQUIPMENT OR SPECIALTIES REQUIRING READING, ADJUSTMENT, INSPECTION, REPAIRS, REMOVAL OR REPLACEMENT SHALL BE CONVENIENTLY LOCATED WITH REFERENCE TO THE FINISHED BUILDING.
8. WHERE MATERIAL IS SHOWN ON THE DRAWINGS BUT NOT SPECIFIED, IT SHALL BE OF THE SAME TYPE AND QUALITY AS EXISTING MATERIAL.
9. PROVIDE MANUAL VOLUME DAMPERS AT UPSTREAM PORTION OF ALL TERMINAL AIR BRANCHES. THESE SHALL BE OF THE LOCKING QUADRANT TYPE. WHERE LOCATED OVER SLOPED OR HARD CEILINGS, PROVIDE DURO-DYNE ANGLE GEAR DRIVE OR BOWDEN CABLE CONTROL SYSTEM OR PROVIDE UNITED EVERTECH POWERBALANCE SYSTEM. REMOTE PLATE LOCATIONS TO BE LOCATED AS DETERMINED BY ARCHITECT.
10. INSULATION THICKNESS FOR ENERGY PERFORMANCE SHALL BE BASED ON TITLE 24 ENERGY CODE AND REGULATIONS OR UNLESS OTHERWISE STATED ON FLOOR PLANS.
11. WHERE NOT SPECIFICALLY INDICATED OTHERWISE, ALL DUCTWORK AND EQUIPMENT SHALL BE SUPPORTED PER THE SMACNA GUIDELINES FOR SEISMIC RESTRAINT AND CURRENT APPLICABLE UNIFORM MECHANICAL CODE.
12. WHEN A FIRE ALARM SYSTEM WITH FULL COVERAGE SMOKE DETECTORS ARE PROVIDED, DUCT SMOKE DETECTORS MAY BE ELIMINATED. FIRE ALARM CONTRACTOR SHALL WIRE SMOKE/FIRE DAMPER ACTUATORS TO AREA SMOKE DETECTORS.
13. TESTING, ADJUSTING, AND BALANCING (TAB) OF THE AIR CONDITIONING SYSTEMS AND RELATED ANCILLARY EQUIPMENT WILL BE PERFORMED BY A CERTIFIED, INDEPENDENT THIRD PARTY, AABC AGENCY PROCURED BY THE MECHANICAL CONTRACTOR. A COMPLETE AIR BALANCE REPORT TO BE SUBMITTED TO THE ADMINISTRATIVE AUTHORITY AND TO THE MECHANICAL ENGINEER AND APPROVED PRIOR TO FINAL PAYMENT.
14. DUCT SYSTEMS USED WITH BLOWER TYPE EQUIPMENT WHICH ARE PORTIONS ON THE HEATING, COOLING, ABSORPTION, EVAPORATIVE COOLING OR OUTDOOR AIR VENTILATION SYSTEM SHALL BE SIZED IN ACCORDANCE WITH CHAPTER 17 OF THE CALIFORNIA MECHANICAL CODE.
15. UNLESS OTHERWISE STATED, MAXIMUM LENGTH FOR FLEXIBLE DUCTWORK SHALL NOT EXCEED SEVEN FEET (7'-0"). ALUMINUM FLEX DUCTWORK WILL NOT BE ALLOWED ON ANY PORTION OF THE DUCTWORK SYSTEM.
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Tri-City Medical Center

4002 Vista Way
Oceanside, California 92056

OWNER:	TRI-CITY MEDICAL CENTER 4802 VISTA WAY OCEANSIDE CALIFORNIA 92056 TEL(760)724-8411
ARCHITECT:	SFEIR ARCHITECTS 1350 COLUMBIA STREET, SUITE 603 SAN DIEGO, CALIFORNIA 92101 TEL(619)299-3917 FAX(619)299-5084
STRUCTURAL:	SUN STRAUSL ENGINEERING 2091 LAS PALMAS DRIVE , SUITE D CARLSBAD, CALIFORNIA 92011 TEL(760)438-1188
ME&P:	DESIGN WEST ENGINEERING 5151 SHOREHAM PLACE, SUITE 240 SAN DIEGO, CALIFORNIA 92122 TEL(619)330-6043



	OSHDP COMMENTS	03.25.16
	OSHDP COMMENTS	09.01.16
	DESIGN CHANGES	09.01.16
	OSHDP COMMENTS	12.22.16
	OSHDP COMMENTS	02.22.17
	DESIGN CHANGES	4.14.2017
REV:	DESCRIPTION:	DATE:



DESIGN WEST ENGINEERING
MECHANICAL • ELECTRICAL • ENERGY CONSULTANTS

OSHPD APPROVAL STAMP:
OSHPD: # S152913-37-00

1. THE TOTAL INSTALLATION SHALL COMPLY WITH ANY AND ALL REQUIREMENTS OF THE LEGALLY CONSTITUTED AUTHORITIES HAVING JURISDICTION INCLUDING 2013 CBC (CALIFORNIA BUILDING CODE) AND 2013 CMIC/CPC (CALIFORNIA MECHANICAL AND PLUMBING CODE).
2. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO WORK.
3. IN THE PREPARATION OF THESE DOCUMENTS, CERTAIN ASSUMPTIONS ARE MADE REGARDING EXISTING CONDITIONS. SOME OF THESE ASSUMPTIONS MAY NOT BE VERIFIABLE WITHOUT EXPENDING ADDITIONAL SUMS OF MONEY OR DESTROYING OTHERWISE ADEQUATE OR SERVICEABLE PORTIONS OF EXISTING BUILDINGS AND/OR EQUIPMENT. THEREFORE, THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR ANY CHANGES OR ADDITIONAL COSTS INCURRED DUE TO EXISTING CONDITIONS.
4. THE CONTRACTOR SHALL COMPLY WITH ALL CONTRACT DOCUMENTS IN LAYING OUT HIS WORK AND EQUIPMENT. HE SHALL COORDINATE THE WORK OF THIS SECTION WITH THE WORK OF OTHER TRADES AND ALL JOB CONDITIONS.
5. DURING CONSTRUCTION ALL DUCT AND OTHER AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC OR OTHER ACCEPTABLE MATERIAL TO REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM.
6. ALL RETURN & EXHAUST AIR SHALL BE DUCTED. CORRIDOR OR SPACE ABOVE THE CEILING SHALL NOT BE USED AS A PLENUM.
7. ALL AIR DISTRIBUTION DEVICES & GRILLES TO BE REMOVED & REPLACED WITH DEVICE OF SAME SIZE PER AIR DISTRIBUTION SCHEDULE ON SHEET M0.1.

- ① REMOVE EXISTING DUCTWORK AND GRILLE AND CAP. PREPARE FOR FUTURE CONNECTION OF NEW DUCTWORK. KEEP WORK OUT FROM ABOVE CORRIDOR HALL LID AREA.
- ② CONNECTION DUCTWORK TO REMAIN.
- ③ EXISTING AIR DISTRIBUTION DEVICES TO BE REMOVED & REPLACED WITH DEVICE OF EQUAL SIZE. SEE REMODEL PLAN, SHEET M2.1. RECONNECT ALL (E) FDS & FDS TO NEW GRILLES, WHEN APPLICABLE.
- ④ (E) 14x6 SIDEWALL GRILLE TO BE REPLACED WITH NEW GRILLE OF SAME SIZE.
- ⑤ (E) 6x6 EXHAUST GRILLE TO BE REMOVED & REPLACED WITH NEW GRILLE OF SAME SIZE.
- ⑥ EXISTING DUCTWORK TO BE REMOVED. PROVIDE CLEAR & OPERABLE AREA FOR INSTALL OF NEW HEADWALL.
- ⑦ (E) CAV BOX NO. 8 TO BE RELOCATED. SEE REMODEL SHEET M2.1. REVISE (E) HW PIPE TRAIN.
- ⑧ (E) 12x6 DUCT TO BE REMOVED.
- ⑨ (E) 7"Ø DUCT TO BE REMOVED.
- ⑩ EXISTING SUPPLY GRILLE TO BE REMOVED & RELOCATED. SEE REMODEL PLAN, SHEET M2.1.
- ⑪ EXISTING RESTROOM EXHAUST TO BE REMOVED.

① PROVIDE PRE AND POST CONSTRUCTION TRANSVERSE READING IN THE DUCT AT POINT INDICATED TO VERIFY THAT THERE WAS NO CHANGE TO EXISTING FACILITIES AIR BALANCE OUTSIDE THE REMODEL AREA DUE TO THE MODIFICATIONS MADE WITHIN SCOPE OF THIS PROJECT. AT THE PROJECT CLOSE PROVIDE AIR BALANCE REPORT LISTING BOTH THE PRE AND POST CONSTRUCTION READINGS FOR APPROVAL

MECHANICAL DEMOLITION PLAN

PROJECT TITLE:
TCMC SCHIFF FAMILY NICU RENOVATION

PROJECT #:
01549.00

DRAWN BY:
Author

CHECKED BY:
Checker

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

DATE:
11/13/15

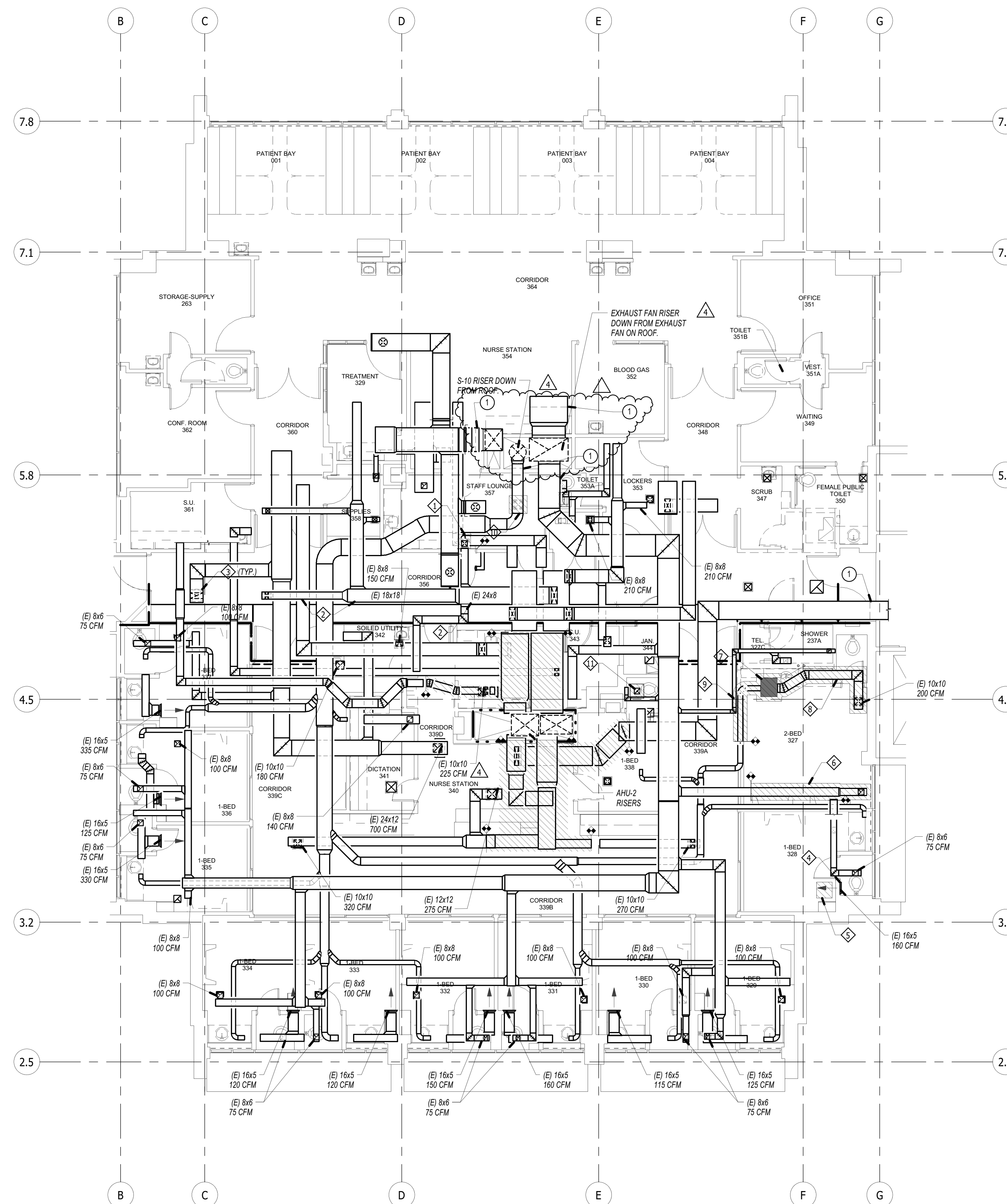
SHEET NUMBER:

M1.1

15 340

M1.1

15-340



MECHANICAL DEMOLITION PLAN

1/8" = 1'-0"

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SUPPLY FAN SCHEDULE										
No.	LOCATION	TYPE	DRIVE	CFM	S.P.	OUTLET VELOCITY	HP	MOTOR CURRENT	HEATING COIL	REMARKS
S-1	MECH. EQ. RM. 61	BLOW THRU	V-BELT	*7785 16000	3/4"		20	480V-3P	HC-1	TRANE NO. 31 BLOW THRU UNIT
S-2	MECH. EQ. RM. 61	DRAW THRU	V-BELT	*1665 6065	1 1/2"	2570 FPM	15	480V-3P	HC-2	TRANE NO. 12 DRAW-THRU UNIT NOTE #1.

* FAN TO DELIVER 7785 CFM AT PRESENT, 16000 CFM TOTAL IN FUTURE.
 * FAN TO DELIVER 1665 CFM AT PRESENT, 6065 CFM TOTAL IN FUTURE.
 NOTE #1. FAN UNIT SHALL BE HIGH PRESSURE DRAW-THRU, BACKWARD INCLINED BLADE, CLASS III. REINFORCE ALL BEARINGS WITH ANGLE IRON. SUPPORTS TO BASE B. PROVIDE APPROPRIATE SHEAVES, PULLEYS & INLET DAMPERS.

EXHAUST FAN SCHEDULE										
No.	LOCATION	TYPE	WHEEL DIAM.	DRIVE	CFM	S.P.	OUTLET VELOCITY	HP	MOTOR CURRENT	REMARKS
EF-1	ROOF	CABINET	1-3/8"	V-BELT	11745* 25500	1"	1540 FPM	10	480V-3P	TRANE NO. 50 CABINET UNIT, LESS COILS. AIRFOIL FAN.

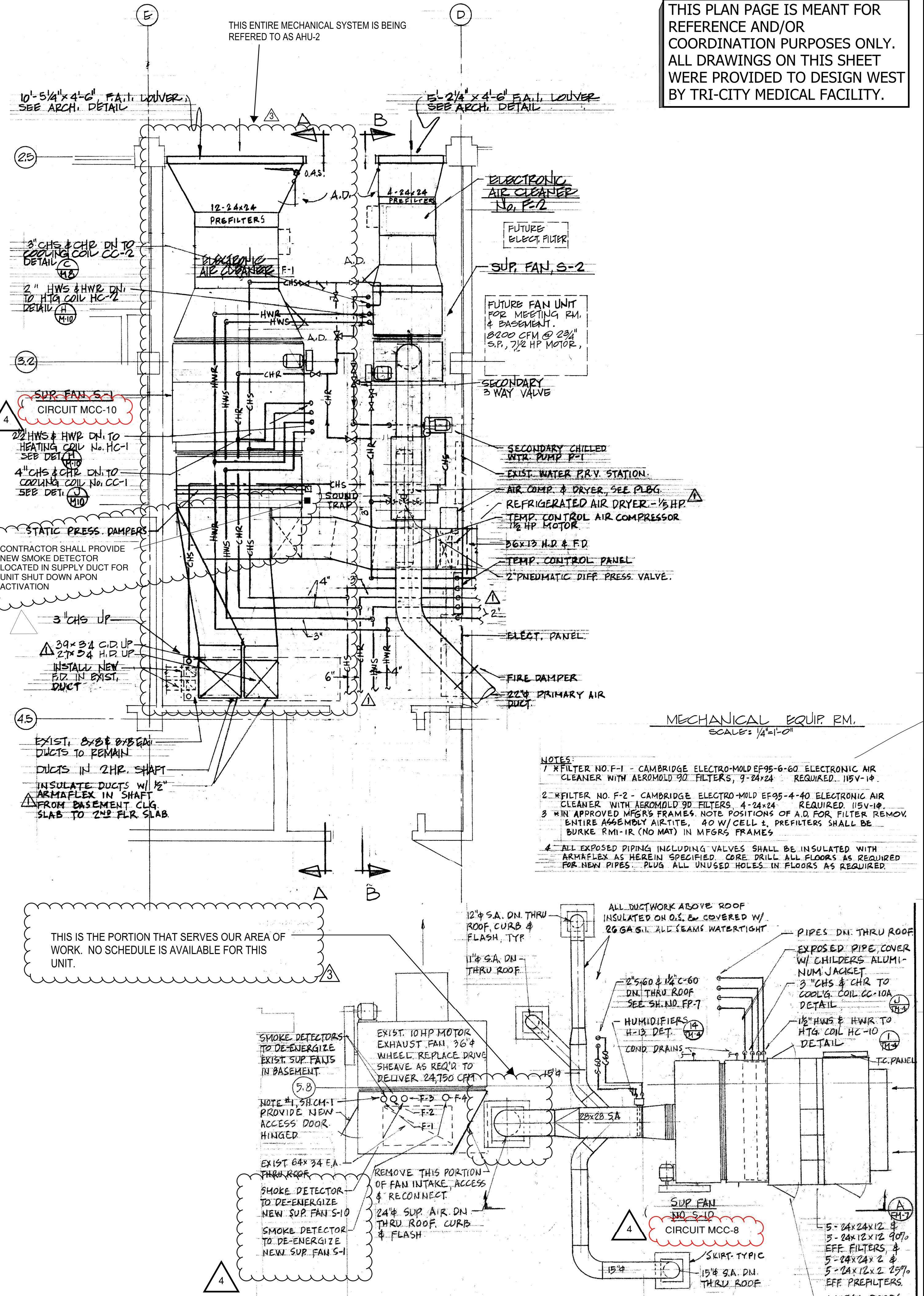
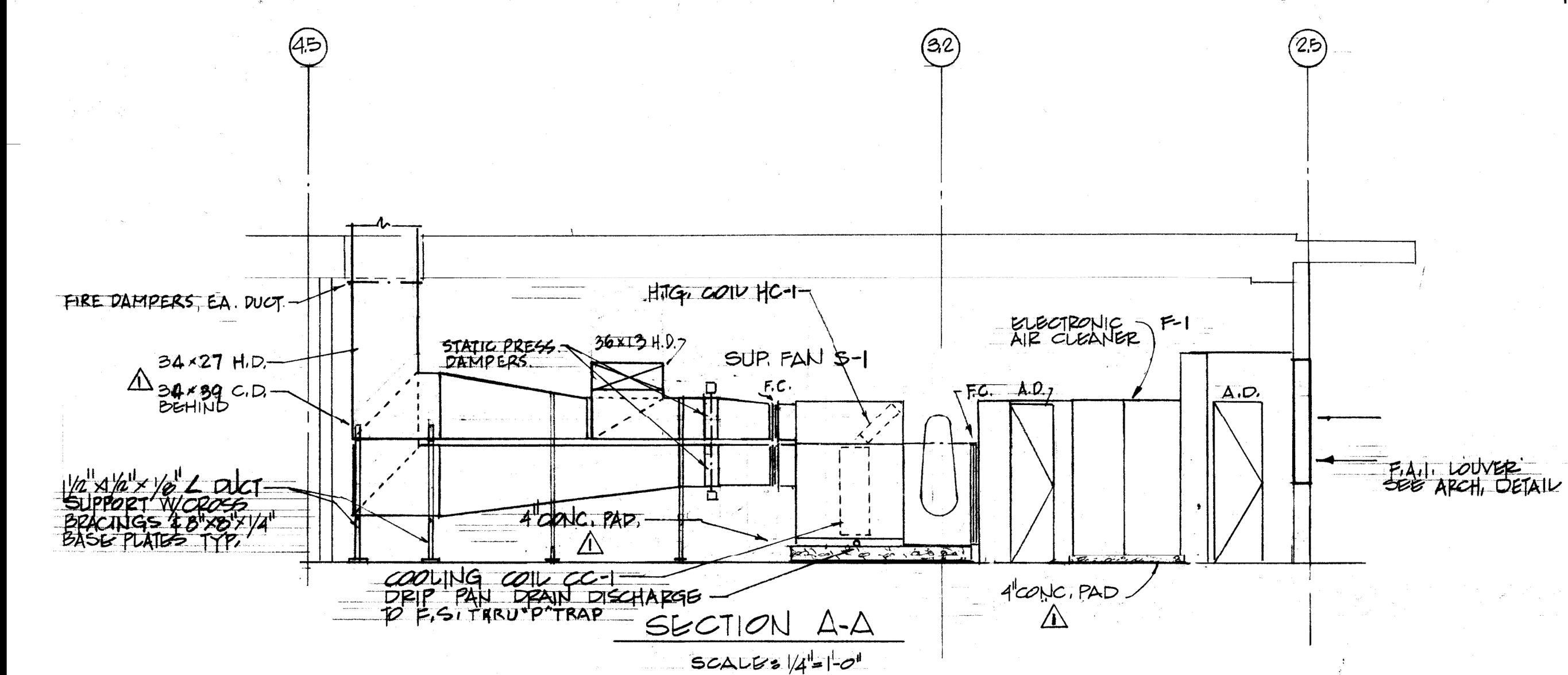
* FAN TO DELIVER 11745 CFM AT PRESENT, 25500 CFM TOTAL IN FUTURE. UNIT SHALL BE WEATHER-PROOFED FOR OUTDOOR INSTALLATION & WEATHER-TIGHT MOTOR.

HEATING COIL SCHEDULE										
No.	CFM	FACE AREA SQ. FT.	FACE VEL. FPM	MIN. NO. OF ROWS	ENTERING AIR D.B.	LEAVING AIR W.B.	WATER IN D.B.	WATER OUT W.B.	GPM	REMARKS
HC-1	16000	15.9	1030	2	33°	120°	160°	200°	.75	COIL W/ 2" GRISWOLD FLOW CONTROL VALVE *
HC-2	6065	11.7	520	2	33°	140°	160°	200°	.35	COIL W/ 2" GRISWOLD FLOW CONTROL VALVE. * * WITH SHRAEDER V.

COOLING COIL SCHEDULE										
No.	CFM	FACE AREA SQ. FT.	FACE VEL. FPM	MIN. NO. OF ROWS	ENTERING AIR D.B.	LEAVING AIR W.B.	WATER IN D.B.	WATER OUT W.B.	GPM	REMARKS
CC-1	16000	30.0	525	6	88°	71°	55.8°	54.6°	172	COIL WITH 4" GRISWOLD FLOW CONTROL VALVE *
CC-2	6065	11.7	520	6	88°	71°	48.0°	45.5°	.94	COIL WITH 3" GRISWOLD FLOW CONTROL VALVE * * WITH SHRAEDER V.

HUMIDIFIER SCHEDULE							REMARKS
UNIT NO.	STEAM PRESS.	STEAM LB./HR.	ORIFICE	STEAM PIPE	CONDENSATE PIPE		
HU-1	60 PSI	9.5	5/64"	3/4"	3/4"		ARMSTRONG AM-31D-M INSTALLATION METHOD NO. 3
HU-2	60 PSI	32.4	1/64"	3/4"	3/4"		ARMSTRONG AM-32D-M INSTALLATION METHOD NO. 3
HU-3	60 PSI	8.9	5/64"	3/4"	3/4"		ARMSTRONG AM-31D-M INSTALLATION METHOD NO. 3

PUMP SCHEDULE										
No.	SERVICE	MODEL	SUCTION	DISCHARGE	GPM	HEAD	EFF.	HP	MOTOR CURRENT	RPM
P-1	SECONDARY CH. WTR. PUMP	2KB1	3"	2"	117	42	63%	3	480V-3P	1750



EXISTING EQUIPMENT SCHEDULE & FLOOR PLAN										

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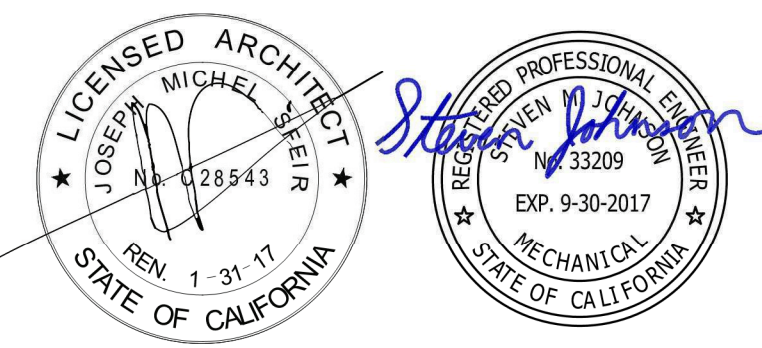
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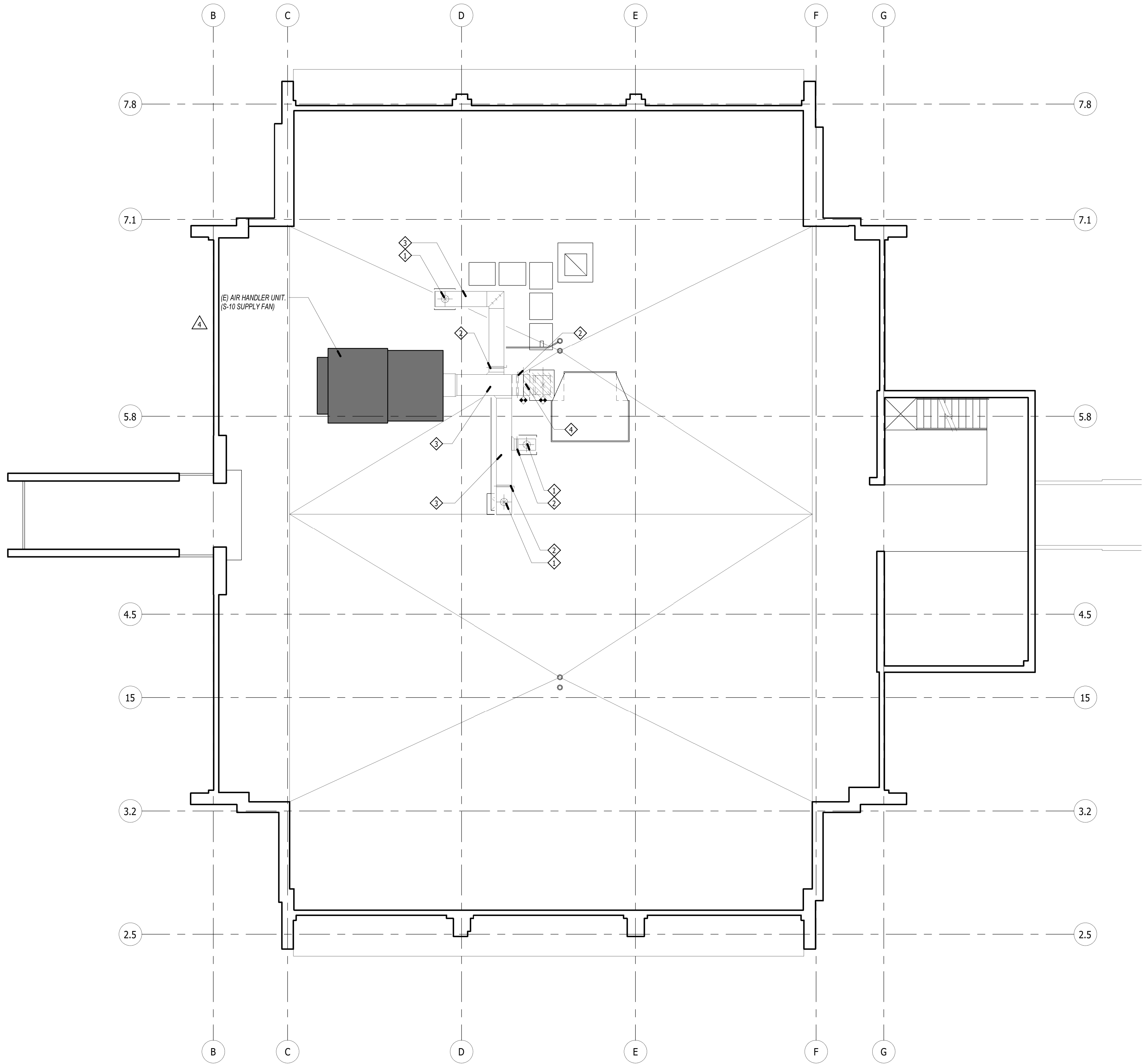
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2	OSHPD COMMENTS	09.01.16
3	DESIGN CHANGES	09.01.16
4	OSHPD COMMENTS	12.22.16
5	OSHPD COMMENTS	02.22.17
6	DESIGN CHANGES	4.14.2017

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PROJECT TITLE: TCMC SCHIFF FAMILY NICU RENOVATION
 PROJECT #: 01549.00
 DRAWN BY: Author
 CHECKED BY: Checker
 SCALE: 1/8" = 1'-0"
 DATE: 11/13/15
 SHEET NUMBER: M1.2
 100% CONSTRUCTION DRAWINGS

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MECHANICAL ROOF PLAN

1/8" = 1'-0"

1

GENERAL NOTES

DEMOLITION NOTES

- (E) ROUND DUCT DROPS TO SERVE FLOOR BELOW TO REMAIN.
- (E) RECTANGULAR BALANCING DAMPERS TO REMAIN.
- (E) RECTANGULAR ROOFTOP DUCTWORK TO REMAIN.
- (E) DUCTWORK TO BE REMOVED BACK TO THE MANUAL VOLUME DAMPERS. COVER OPEN ENDS OF DUCTWORK WITH BIRDSCREEN WHILE PREPARING FOR CONNECTION OF NEW DUCT SYSTEM.

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FAMILY NICU
RENOVATION

Tri-City Medical Center

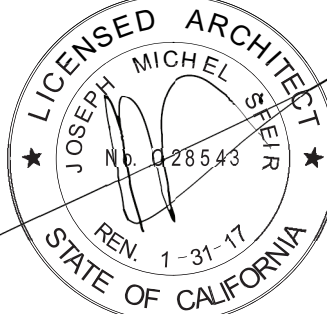
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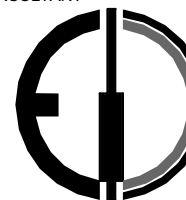
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SHEET TITLE:

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TCMC SCHIFF FAMILY NICU RENOVATION

PROJECT #:

01549.00

DRAWN BY:

Author

CHECKED BY:

Checker

SCALE:

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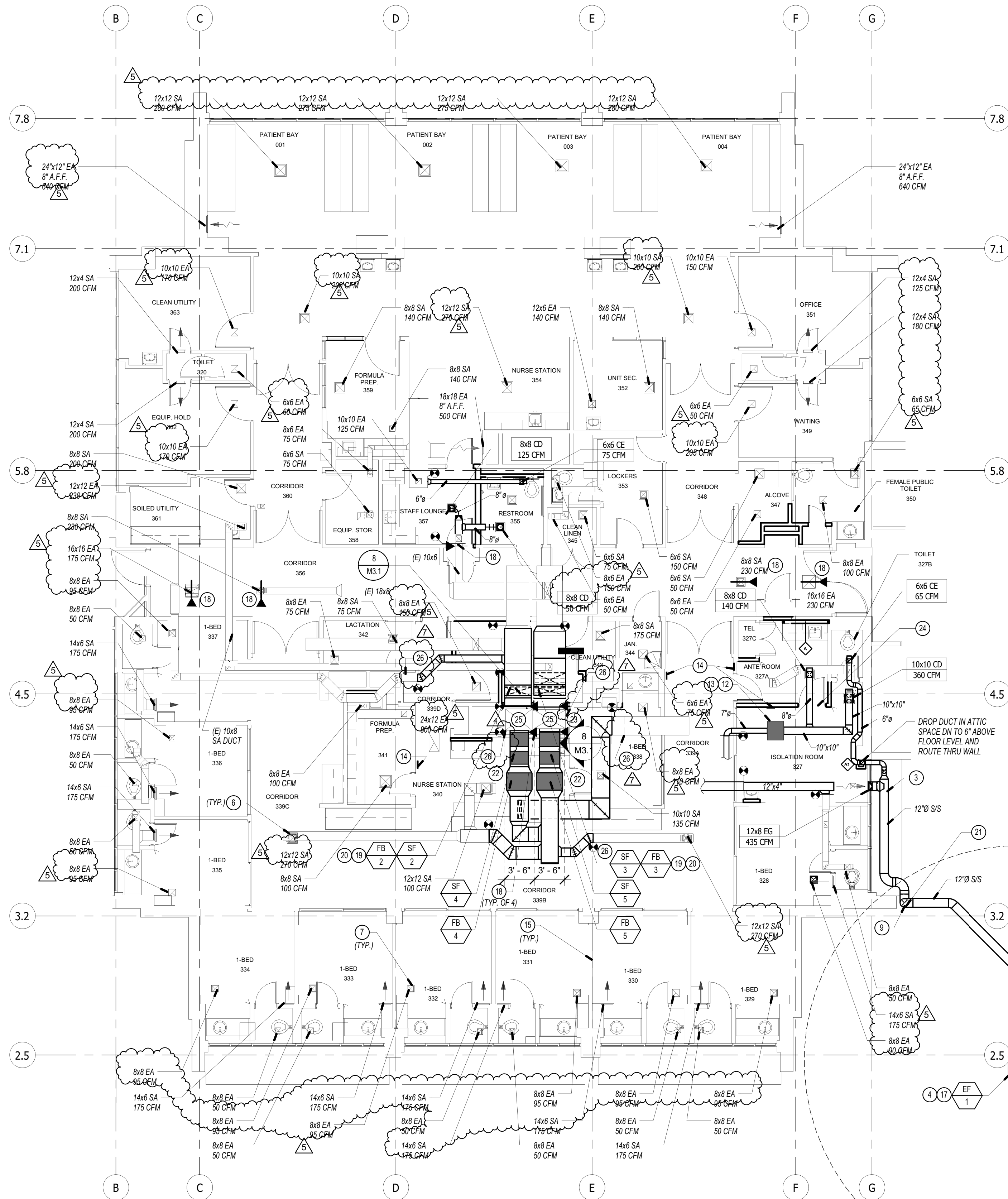
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CONSTRUCTION NOTES

- NEW INFECTIOUS ISOLATION EXHAUST DUCT. SEE GENERAL NOTES ABOVE FOR LABELING.
- ISOLATION ROOM DUCTWORK SHALL BE STAINLESS STEEL WELDED.
- KEEP DUCTWORK LOW ON WINDOW LEDGE. PENETRATE WALL AND EXHAUST GRILLE SHALL BE LOCATED NO GREATER THAN 12" A.F.F. AS CLOSE TO PATIENT BED AS POSSIBLE.
- ROOF HAS SPC RATING OF SPC 3, NICU HAS RATING OF SPC 2.
- SELF-DRAINING STACKS OR EQUIVALENT SHALL BE USED FOR RAIN PROTECTION.
- SUPPLY GRILLE SHALL BE REBALANCED TO CONFORM TO AIR BALANCE SCHEDULE M0.1.
- EXHAUST GRILLE SHALL BE REBALANCED TO CONFORM TO AIR BALANCE SCHEDULE M0.1.
- RETURN GRILLE SHALL BE REBALANCED TO CONFORM TO AIR BALANCE SCHEDULE M0.1.
- (N) 12" DUCT UP AGAINST WALL.
- EXHAUST DUCT LOCATED ON ADJACENT ROOF FOR DUCT SUPPORT ON ROOF. SEE DETAIL 550-4.
- FOR EXHAUST FAN MOUNTING, SEE DETAIL 4M3.1.
- (E) RELOCATED CAV BOX NO. 6, RECONNECT EXISTING HW PIPING TO CAV RW COL.
- FOR CAV BOX MOUNTING, SEE DETAIL 4M3.1.
- PROVIDE WITH TSI ISOLATION (AII) ROOM CONTROL WITH ANTE ROOM MONITOR ALARM SYSTEM.
- NEW HEADWALL IS 8'-0" WIDE & EXTENDS 9" INTO CEILING & IS 6" WIDE.
- NEW VENTLESS DRYER.
- EXHAUST DISCHARGE FROM FAN SHALL EXTEND AT LEAST 7 FEET (2134 MM) ABOVE THE ROOF AND DISCHARGE VERTICALLY UPWARD. RAIN CAPS WHICH DIVERT THE EXHAUST TOWARD THE ROOF SHALL BE PROHIBITED. PROVIDE FAN WITH DRAIN KIT.
- ALARMS - AIRBORNE INFECTION ISOLATION ROOMS AND PROTECTIVE ENVIRONMENT ROOMS. (OSHPD 1, 2, 3 & 4)
- AN ALARM SYSTEM WHICH IS BASED ON STATIC PRESSURE CONTROL, VOLUMETRIC CONTROL, OR DIRECTIONAL FLOW MEASUREMENT SHALL BE PROVIDED FOR EACH ISOLATION ROOM. THE ALARM SYSTEM SHALL CONSIST OF A DISPLAY MONITOR LOCATED ON THE CORRIDOR WALL NEAR THE DOOR TO THE ROOM AND A VISUAL AND AUDIBLE ALARM WHICH ANNUNCIATES AT THE ROOM AND AT A NURSE'S STATION OR OTHER SUITABLE LOCATION THAT WILL PROVIDE RESPONSIBLE SURVEILLANCE. A TIME DELAY SHALL BE PROVIDED TO ALLOW FOR ROUTINE OPENINGS OF DOORS. THE ALARM SHALL ANNUNCIATE WHEN THE SUPPLY, RETURN, OR EXHAUST FANS ARE INTERRUPTED AND WHEN ONE OF THE FOLLOWING CONDITIONS IS NOT BEING MET DURING CLOSED DOOR CONDITIONS:
(1) WHEN THE MINIMUM AIR QUANTITY DIFFERENCE OF 75 CFM (35.4 L/S) REQUIRED BY TABLE 4-A IS NOT BEING MAINTAINED;
OR (2) WHEN A MINIMUM PRESSURE DIFFERENTIAL OF 0.001 INCH (0.003 KPA) OF WATER AND A MINIMUM INWARD/OUTWARD FLOW PROTECTIVE ENVIRONMENT ROOMS AIR VELOCITY OF 100 FEET PER MINUTE (0.508 M/S) IS NOT BEING MAINTAINED AT THE AIR TRANSFER OPENING REQUIRED BY TABLE 4-A.
- OTHER ACCEPTABLE ALARM SYSTEMS WILL BE ALLOWED WHEN DESIGNS ARE SPECIFICALLY APPROVED BY THE ENFORCING AGENCY.
- PRIOR TO ACCEPTANCE OF THE ROOMS, THE ALARM SYSTEM SHALL BE TESTED AND OPERATED TO DEMONSTRATE TO THE OWNER OR DESIGNATED REPRESENTATIVE THAT THE INSTALLATION AND PERFORMANCE OF THE SYSTEM CONFORMS TO DESIGN INTENT.
- TESTING AND BALANCING AIRBORNE INFECTION ISOLATION ROOMS AND PROTECTIVE ENVIRONMENT ROOMS. (OSHPD 1, 2, 3 & 4) PRIOR TO ACCEPTANCE OF THE ROOMS, ALL MECHANICAL SYSTEMS SHALL BE TESTED, BALANCED, AND OPERATED TO DEMONSTRATE TO THE OWNER OR DESIGNATED REPRESENTATIVE THAT THE INSTALLATION AND PERFORMANCE OF THE SYSTEMS CONFORM TO DESIGN INTENT. ALL TESTING AND BALANCING SHALL BE PERFORMED BY A QUALIFIED INDEPENDENT AGENCY CERTIFIED BY THE ASSOCIATED AIR BALANCE COUNCIL (AABC), THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB), OR THE TESTING, ADJUSTING AND BALANCING BUREAU (TABB).
- AIR DISTRIBUTION. THE SUPPLY OUTLETS AND EXHAUST INLETS SHALL BE LOCATED TO PROVIDE AIRFLOW PATTERNS THAT PREVENT STAGNATION OF THE AIR AND ELIMINATE SHORT CIRCUITING OF THE SUPPLY TO THE EXHAUST, AND MINIMIZE EXPOSURE OF HEALTH CARE WORKERS TO AIRBORNE INFECTIOUS PARTICLES. SUPPLY-AIR OUTLETS SHALL BE LOCATED AT OR NEAR THE CEILING AND AT THE END OF THE AIRBORNE INFECTION ISOLATION ROOM WHICH IS OPPOSITE THE HEAD OF THE BED. EXHAUST REGISTERS SHALL BE LOCATED ON THE WALL BEHIND THE PATIENT'S HEAD, OR AS CLOSE TO THAT WALL AS PRACTICAL AND SHALL BE LOCATED NOT LESS THAN 3 INCHES (76 MM) NOR MORE THAN 24 INCHES (610 MM) ABOVE THE FINISHED FLOOR.
EXCEPTION: FOR CORRECTIONAL TREATMENT CENTERS, THE LOCATION AND DESIGN OF THE SUPPLY OUTLETS AN EXHAUST OR RETURN INLETS SHALL NOT COMPROMISE THE SAFETY, SECURITY AND PROTECTION OF STAFF, INMATES AND PROPERTY.
- PROVIDE PRE AND POST CONSTRUCTION TRAVERSE READINGS IN THE DUCT AT POINT INDICATED TO VERIFY NO CHANGE TO THE EXISTING FACILITIES AIR BALANCE OUTSIDE THE REMODEL AREA DUE TO THE MODIFICATIONS MADE WITHIN THE SCOPE OF THIS PROJECT. AT THE PROJECT CLOSE OUT PROVIDE AIR BALANCE REPORT LISTING BOTH THE PRE AND POST CONSTRUCTION READINGS FOR APPROVAL.
- ALL-2 RISERS UP FROM MECHANICAL ROOM IN BASEMENT.

GENERAL NOTES

- FOR LINE TYPES, SYMBOLS & ABBREVIATIONS SEE LEGEND ON M0.1.
- ALL SPIN-IN OR TAP TYPE DUCT CONNECTIONS SHALL BE PROVIDED WITH AN EXTRACTOR.
- T-STATS SHALL NOT BE MOUNTED IN DIRECT LINE OF ANY SUPPLY DIFFUSER OR NEAR ANY HEAT REJECTION EQUIPMENT.
- DUCT DIMENSIONS ARE INSIDE CLEAR. ADD AN ADDITIONAL 2" MINIMUM FOR R-8 DUCT INSULATION. SIZES MAY CHANGE PER MANUFACTURE.
- ALL DUCTWORK SHALL BE HARD DUCT. FLEX DUCT MAY BE USED ONLY AT SUPPLY & RETURN OUTLETS AT A MAX. LENGTH OF 7'-0".
- ALL VENTING SHALL HAVE A MIN. OF 25' CLEARANCE FROM ANY FORCED AIR INLET W/ A MIN. OF 3' CLEARANCE ABOVE & A MIN. OF 4' CLEARANCE FROM ANY PROPERTY LINE EXCEPT A PUBLIC WAY. PER SEC. 906
- ALL DUCTWORK SHALL BE MOUNTED HIGH AND TIGHT TO ROOF STRUCTURE AS POSSIBLE.
- CONTRACTOR SHALL COORDINATE DUCT RUNS WITH FIRE SPRINKLER CONTRACTOR.
- CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR BUILDING TO BE PURGED UPON COMPLETION AND PRIOR TO OCCUPANCY. FILTERS SHALL BE REPLACED BEFORE PURGE AND UPON COMPLETION OF PURGE CYCLE.
- CONTRACTOR SHALL PATCH ALL ROOF PENETRATIONS AS NEED TO MAINTAIN EXISTING ROOFING WARRANTY.
- THE EXHAUST DUCTS SHALL BE IDENTIFIED BY APPROPRIATE LABELING WITH THE WORDS "CAUTION AIRBORNE INFECTION ISOLATION ROOMS EXHAUST" OR SIMILAR TERMINOLOGY. SUCH LABELING SHALL BE IN A MANNER WHICH IS NOT EASILY REMOVABLE AND SHALL APPEAR ON THE EXHAUST DUCT AT INTERVALS OF NOT MORE THAN 20 FEET (6096 MM) AND AT LEAST ONCE NEAR EACH ROOM AND EACH STORY TRAVERSED BY THE EXHAUST SYSTEM.
- EXHAUST DISCHARGE FROM FAN SHALL EXTEND AT LEAST 7 FEET (2134 MM) ABOVE THE ROOF AND DISCHARGE VERTICALLY UPWARD. RAIN CAPS WHICH DIVERT THE EXHAUST TOWARD THE ROOF SHALL BE PROHIBITED. PROVIDE FAN WITH DRAIN KIT.
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TCMC SCHIFF FAMILY NICU RENOVATION

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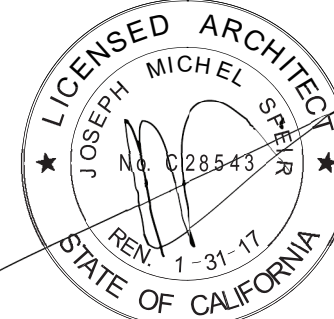
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OSHPD APPROVAL STAMP:
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MECHANICAL REMODEL FLOOR PLAN

PROJECT TITLE:
TCMC SCHIFF FAMILY NICU RENOVATION

PROJECT #: 01549.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: 1/8" = 1'-0"
DATE: 11/13/15

SHEET NUMBER:
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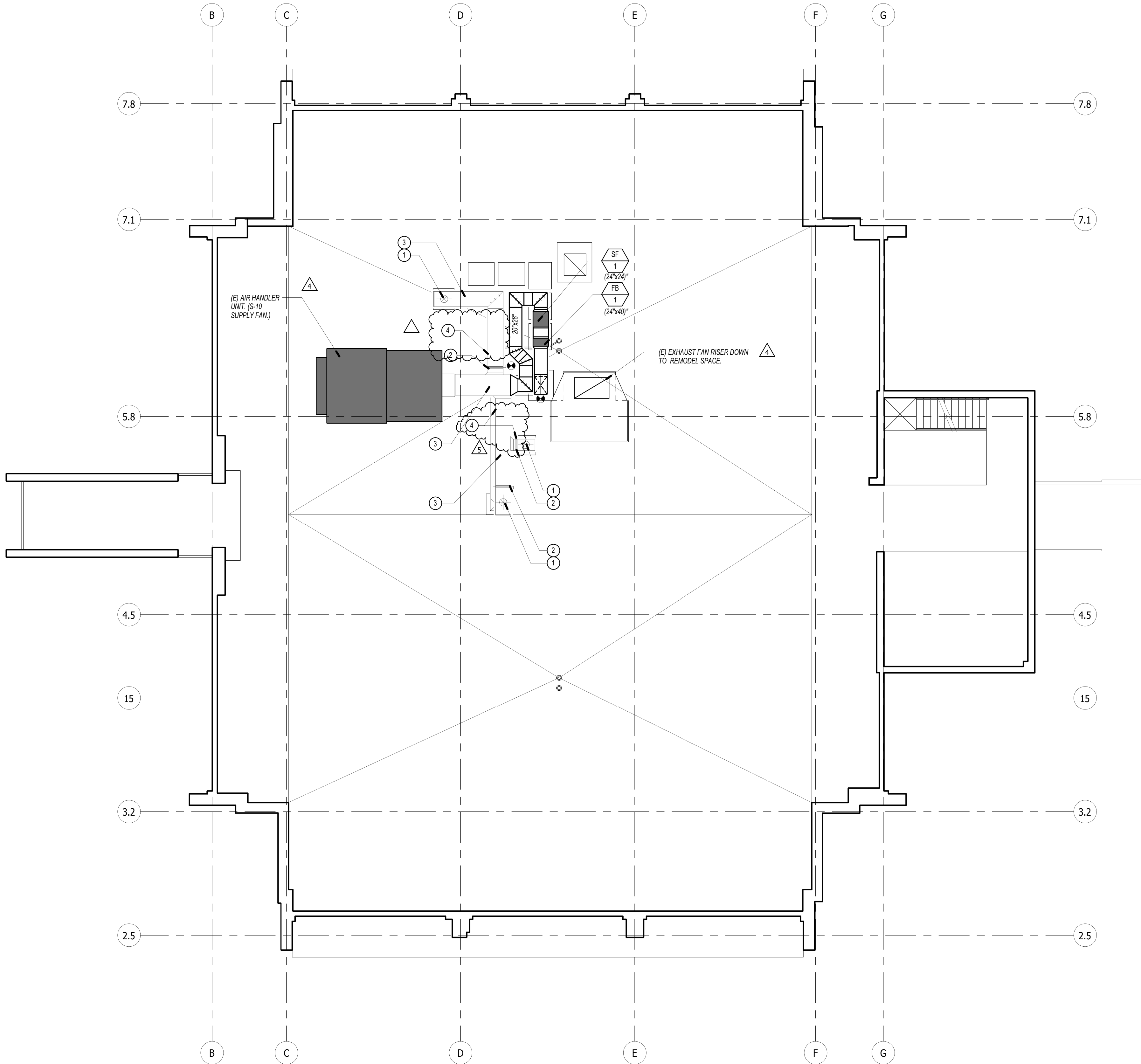
MECHANICAL REMODEL FLOOR PLAN

1/8" = 1'-0"

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GENERAL NOTES

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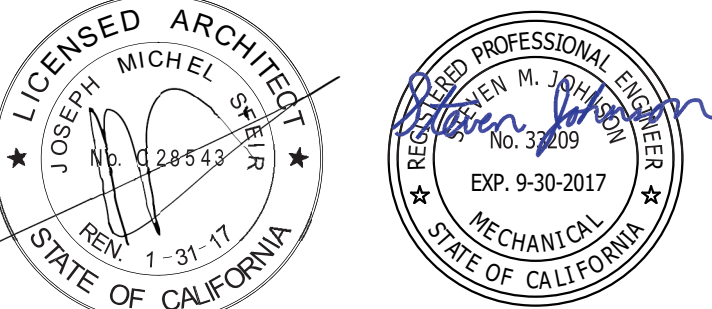
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- (E) RECTANGULAR BALANCING DAMPERS TO REMAIN.
- (E) RECTANGULAR ROOF DUCTWORK TO REMAIN.
- PROVIDE PRE AND POST CONSTRUCTION TRAVERSE READINGS IN THE DUCT AT THE POINT INDICATED TO VERIFY NO CHANGE TO THE EXISTING FACILITIES AIR BALANCE OUTSIDE THE REMODEL AREA DUE TO THE MODIFICATIONS MADE WITHIN THE SCOPE OF THIS PROJECT. AT PROJECT CLOSE PROVIDE AIR BALANCE REPORT LISTING BOTH THE PRE AND POST CONSTRUCTION READINGS FOR APPROVAL.



OSHPO COMMENTS	03.25.16
OSHPO COMMENTS	09.01.16
DESIGN CHANGES	09.01.16
OSHPO COMMENTS	12.22.16
OSHPO COMMENTS	02.22.17
DESIGN CHANGES	4.14.2017
REV:	DATE:

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DESIGN WEST ENGINEERING
MECHANICAL • ELECTRICAL • ENERGY CONSULTANTS

OSHPO APPROVAL STAMP:
OSHPO: # S152913-37-00

SHEET TITLE:

MECHANICAL ROOF PLAN

PROJECT TITLE:
TCMC SCHIFF FAMILY NICU RENOVATION

PROJECT #: 01549.00
DRAWN BY: Author
CHECKED BY: Checker
SCALE: 1/8" = 1'-0"
DATE: 11/13/15

SHEET NUMBER:
M2.2

MECHANICAL ROOF PLAN

1/8" = 1'-0"

1

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100% CONSTRUCTION DRAWINGS