GENERAL NOTES:

- 1. GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THE PLANS, PRIOR TO COMMENCING WORK.
- 2. COORDINATE STRUCTURAL REPAIR DETAILS & DIMENSIONS WITH RELATED REQUIREMENTS ON OTHER DRAWINGS.
- 3. THE ARCHITECT WILL INTERPRET THE INTENT OF THE DOCUMENTS IN CASE OF A

POSSIBLE CONFLICT OR DISCREPANCY BETWEEN STRUCTURAL AND OTHER DISCIPLINES.

- 4. DETAILS NOTED AS "TYPICAL" OR "TYP." SHALL APPLY IN ALL CASES WHETHER OR NOT SPECIFICALLY REFERENCED.
- 5. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE 2018 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC).
- 6. FOUNDATION DESIGN IS BASED UPON MINIMUM REQUIREMENTS OF THE 2018 IBC, AS NOTED IN TABLE 1804.2
 - ALLOWABLE SOIL BEARING: 1,000 PSF PASSIVE PRESSURE:
- LATERAL SLIDING RESISTANCE: 130 PSF FOUNDATION SHALL BE PLACED ON FIRM UNDISTURBED EARTH.
- 7. MATERIAL REQUIREMENTS:
- A. CAST-IN-PLACE CONCRETE
 - 1. ALL WORK SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE'S RECOMMENDATIONS FOUND WITHIN ACI 318 (LATEST EDITION).
 - 2. ALL CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM STRENGTH AT 28 DAYS: CONCRETE FOOTINGS 2,000 PSI
 - ISOKERN BLOCK GROUT NO SPECIAL INSPECTION REQUIRED
 - 3. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II. 4. AGGREGATE FOR HARDROCK CONCRETE SHALL CONFORM TO ASTM C33 AND BE
 - 5. CONCRETE COVERAGE OVER REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:
- CONCRETE POURED DIRECTLY AGAINST EARTH..... ALL OTHER LOCATIONS....
- B. ISOKERN BLOCK: ICC ESR-2316
- C. MASONRY NOTES:
 - ASTM C90 GRADE N-1 (NORMAL WEIGHT) NO SPECIAL INSPECTION REQUIRED (f'm = 1,500 PSI)
 - GROUT: f'c = 2,000 PSIMORTAR: f'c = 1,800 PSI
 - 1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB. 2. ALL CELLS TO BE FILLED WITH GROUT.
 - 3. REINFORCEMENT TO BE SPLICED 40 DIAMETERS, MINIMUM.
 - 4. REINFORCEMENT SHALL BE ACCURATELY SPLICED AND SECURED SO THAT IT WILL NOT BE DISPLACED. ALL CONCRETE SHALL BE PROPERLY CONSOLIDATED DURING PLACEMENT. ALL REINFORCING STEEL & EMBEDDED ITEMS SHALL BE SECURELY TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE.
 - 5. GROUT SHALL BE WELL RODDED TO INSURE A GOOD CONTACT WITH REINFORCEMENT AN TO ELIMINATE ROCK POCKETS AND VOIDS. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS FOR MIXING, PLACING, FINISHING, CURING AND PROTECTING CONCRETE DURING UNFAVORABLE WEATHER CONDITIONS.
- D. REINFORCING STEEL:
 - 1. ALL REINFORCING STEEL SHALL BE PLACED IN CONFORMANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE:"
 - (ACI 318 LATEST), AND THE "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION" (LATEST EDITION) BY THE C.R.S.I.
 - 2. REINFORCING BARS SHALL CONFORM TO THE FOLLOWING ASTM RATING AND GRADE TYPE FOR THE BAR SIZE LISTED.
 - #4 BARS & SMALLER.. ALL OTHER BARS..
 - WELDED REINFORCEMENT. ASTM A706, GRADE 60 3. WELDING OF REINFORCEMENT SHALL BE WITH E90XX LOW-HYDROGEN ELECTRODES
 - IN CONFORMANCE WITH "RECOMMENDED PRACTICES FOR WELDING REINFORCING STEEL, ETC., AMERICAN WELDING SOCIETY, AWS D1.4 (LATEST EDITION).
 - 4. ALL REINFORCING BAR BENDS SHALL BE MADE COLD. 5. SPLICE REINFORCEMENT, AS SHOWN ON THE DRAWINGS, UNLESS NOTED AS CONTINUOUS LAP ALL CONTINUOUS HORIZONTAL REINFORCEMENT MIN OF 40 TIMES
- BAR DIAMFTER. 6. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.
- E. GROUT: f'c = 4,000 PSI, QUICKCRETE CONCRETE MIX #1001
 - 1. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.
- 2. AGGREGATE FOR GROUT SHALL CONFORM TO ASTM C33 AND BE NON-REACTION 3. WATER CEMENT RATIO SHALL BE LESS THAN 0.60 AT GROUT.
- F. FASTENERS SIMPSON STRONGTIE INC. OR APPROVED EQUAL USP CONNECTIORS.
- G. SCREW ANCHORS:
 - A. RAMSET/REDHEAD TAPCON ANCHORS (ICC Report No ESR-1671, LARR #24953)
- B. SIMPSON TITEN SCREW ANCHORS (ICC ESR-1056, LARR #25560)
- H. FACTORY BUILT (METAL) CHIMNEY: 1. ECOSTEEL OR ECOSTEEL+ CLASS A METAL CHIMNEY ARE THE ONLY CHIMNEY TO BE
- USED WITH THE ISOKERN MAGNUM+ SERIES 2. CHIMNEY'S ARE LIMITED TO A MAX. HEIGHT OF 60 FEET AND A MIN. HEIGHT OF
- 18 FEET, EXCEPT THAT WHERE OFFSETS ARE USED, THE MIN. HEIGHT IS 21 FEET. 3. USE SPARK ARRESTOR

ADDITIONAL REQUIREMENTS

- 1. CLEARANCE TO COMBUSTIBLE MATERIALS SHALL BE AS REQUIRED BY IBC 2111.11 & 2113.19.
- 2. CROSS SECTIONAL AREA OF CHIMNEY FLUE MUST COMPLY WITH IBC 2113.16. 3. HEIGHT AND TERMINATION OF CHIMNEY WILL EXTEND ABOVE ROOF AND HIGHEST ELEVATION
- OF ANY PART OF BUILDING AS SHOWN IN IBC 2113.9
- 4. CLEANOUTS SHALL BE IN ACCORDANCE WITH IBC 2113.18 5. PROVIDE AN APPROVED SPARK ARRESTOR PER IBC 2113.9.1
- 6. ALL WORK SHALL BE DONE IN COMPLIANCE WITH CHAPTER 21 OF THE 2018 IBC.

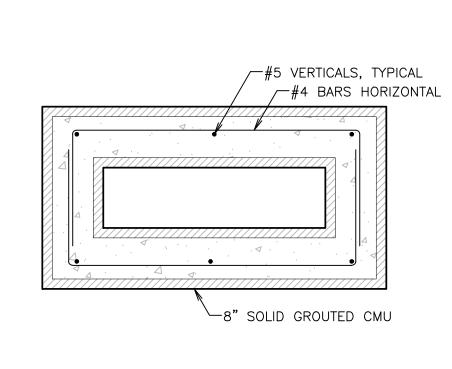
VENEER REQUIREMENTS

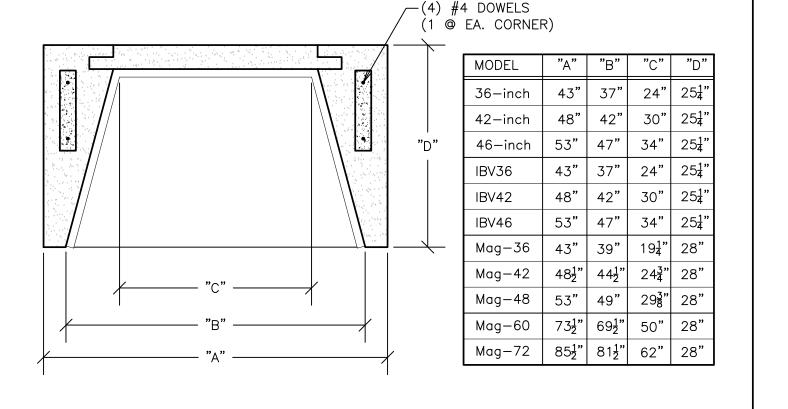
STONE VENEER: STONE VENEER UNITS NOT EXCEEDING 10 INCHES IN THICKNESS SHALL BE ANCHORED DIRECTLY TO ISOKERN FACE WITH ANCHOR TIES THAT SHALL NOT LESS THAN 0.109 INCH MIN GALVANIZED WIRE, OR APPROVED EQUAL, FORMED BEYOND 17 MIN THE BASE OF THE BACKING. THE LEGS OF THE LOOPS SHALL BE NOT LESS THAN 6 INCHES IN LENGTH BENT AT RIGHT ANGLES AND LAID IN THE MORTAR JOINT, AND SPACED SO THAT THE EYES OR LOOPS ARE 12 INCHES MAXIMUM ON CENTER IN BOTH DIRECTIONS. THERE SHALL BE PROVIDED NOT LESS THAN A 0.109 INCH MIN GALVANIZED WIRE TIE, OR APPROVED EQUAL, THREADED THROUGH THE EXPOSED LOOPS FOR EVERY 2 SQUARE FEET OF STONE VENEER. THIS TIE SHALL BE A LOOP HAVING LEGS NOT LESS THAN 15 INCHES IN LENGTH BENT SO THAT IT WILL LIE IN THE STONE VENEER MORTAR JOINT. THE LAST 2 INCHES OF EACH WIRE LEG SHALL HAVE A RIGHT-ANGLE BEND. ONE-INCH MINIMUM THICKNESS OF CEMENT GROUT SHALL BE PLACED BETWEEN THE BACKING AND THE STONE VENEER.

SLAB-TYPE VENEER: SLAB TYPE VENEER UNITS NOT EXCEEDING 2 INCHES IN THICKNESS SHALL BE ANCHORED DIRECTLY TO THE ISOKERN UNITS. FOR UNITS OF MARBLE, TRAVERTINE, GRANITE OR OTHER STONE UNITS OF S LAB FORM TIES OF CORROSION RESISTANT DOWELS IN DRILLED HOLES SHALL BE LOCATED IN THE MIDDLE THIRD OF THE EDGE OF THE UNITS, SPACED A MAXIMUM OF 24 INCHES APART AROUND THE PERIPHERY OF EACH UNIT WITH NOT LESS THAN FOUR TIES PER VENEER UNIT. UNITS SHALL NOT EXCEED 20 SQUARE FEET IN AREA. IF THE DOWELS ARE NOT TIGHT FITTING. THE HOLES SHALL BE DRILLED NOT MORE THAN 0.063 IN LARGER IN DIAMETER THAN THE DOWEL, WITH THE HOLE COUNTERSUNK TO A DIAMETER AND DEPTH EQUAL TO TWICE THE DIAMETER OF THE DOWEL IN ORDER TO PROVIDE A TIGHT FITTING KEY OF CEMENT MORTAR AT THE DOWEL LOCATIONS WHEN THE MORTAR IN THE JOINT HAS SET. VENEER TIES SHALL BE CORROSION RESISTANT METAL CAPABLE OF RESISTING, IN TENSION AND COMPRESSION, A FORCE EQUAL TO TWO TIMES THE WEIGHT OF THE ATTACHED VENEER. IF MADE OF SHEET METAL VENEER TIES SHALL BE NOT SMALLER IN AREA THAN 0.0336 BY 1 INCH OR, IF MADE OF WIRE, NOT SMALLER IN DIAMETER THAN 0.1483 INCH WIRE.

ADHERED VENEER: ADHERED MASONRY VENEER SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS IN

SECTION 1405.9.1 OF IBC AND SECTIONS 6.1 AND 6.3 OF ACI 530/ASCE 5/ TMS 402.





ISOKERN CHIMNEY BLOCKS-

(ICC_ESR-2316)

(1) #4 VERT. AT EA.—

CORNER, GROUTED

INTO 21 HOLES IN

CHIMNEY UNITS FULL

THICK ISOKERN SMOKE -

NOTCH ISOKERN -

BLOCK AT STRAP

(6) SCREW ANCHORS -

MIN. AT SLOPED

AT EA. STRAP

TRANSITION

24" MIN.

MIN.

CONCRETE FOOTING-

(SEE SPECIFICATIONS)

(6 SCREWS MIN.)

CHAMBER BLOCKS

MAX.

72" TO

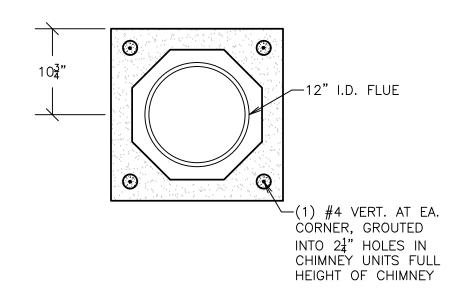
84"±

VERIFY

HEIGHT OF CHIMNEY

30" MIN.

(6 SCREWS MIN.)



CROSS SECTION AT CMU BASE

SCALE: 1" = 1'-0" 2 CROSS SECTION AT FIREBOX

SCALE: 1" = 1'-0" 3 CROSS SECTION AT FLUE

-FINISH PER

ARCHITECTURAL

(SEE SCHEDULE)

∕USP RS200 (1¼"X 18GA.)

SHEET METAL STRAPS W/

—(6) SCREW ANCHORS*MIN.

TO FLUE AT EACH STRAP

SOKERN TOP PLATE

—SCREW ANCHORS*

@ 6"O.C.

SCREW ANCHORS* @ 6"O.C.

-NOTCH ISOKERN

BLOCK AT STRAP

-PREFABRICATED

ISOKERN FIREBOX

(ICC ESR-2316)

-(6) SCREW ANCHORS $^{f au}$

MIN. TO FIREBOX

-(4) #5 DOWELS (1 @ EA.

#5 DOWELS, −1 @ EA.

CORNER WHERE STONE

VENEER IS INSTALLED)

3" CLR.,

TYP.

3" CLR.,

MIN.

CORNER) (UPGRADE TO [4]

- ISOKERN FIREBOX SIDE

CONC. AS FOOTING

WALLS (ICC ESR-2316)

(SOLID GROUT W/ SAME

AT EACH STRAP

(4 STRAPS TOTAL, 2 EA. SIDE)

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

-PROVIDE GROUT

OR FLASHING AT

REINFORCING

TOP TO PROTECT

-FINISH PER

ARCHITECTURAL

(SEE SCHEDULE)

PER THE REQUIREMENTS

OUTLINED IN VENEER

—SIMPSON ⅙" X 1½" TITEN

BLOCKS (ICC ESR-2316)

 $(1\frac{1}{4}$ " X 18GA.) SHEET

METAL STRAPS W/ SCREW ANCHORS* @

6"O.C. (4 STRAPS

TOTAL, 2 EA. SIDE)

_ 3" CLR.,

NOTES ON THIS SHEET.

- INSTALL VENEER

-ISOKERN TOP PLATE

SCREWS @ 6"O.C.

-4" THICK ISOKERN

SMOKE CHAMBER

-USP RS200

→ISOKERN FIREBOX

SIDE WALLS

EXTENT OF

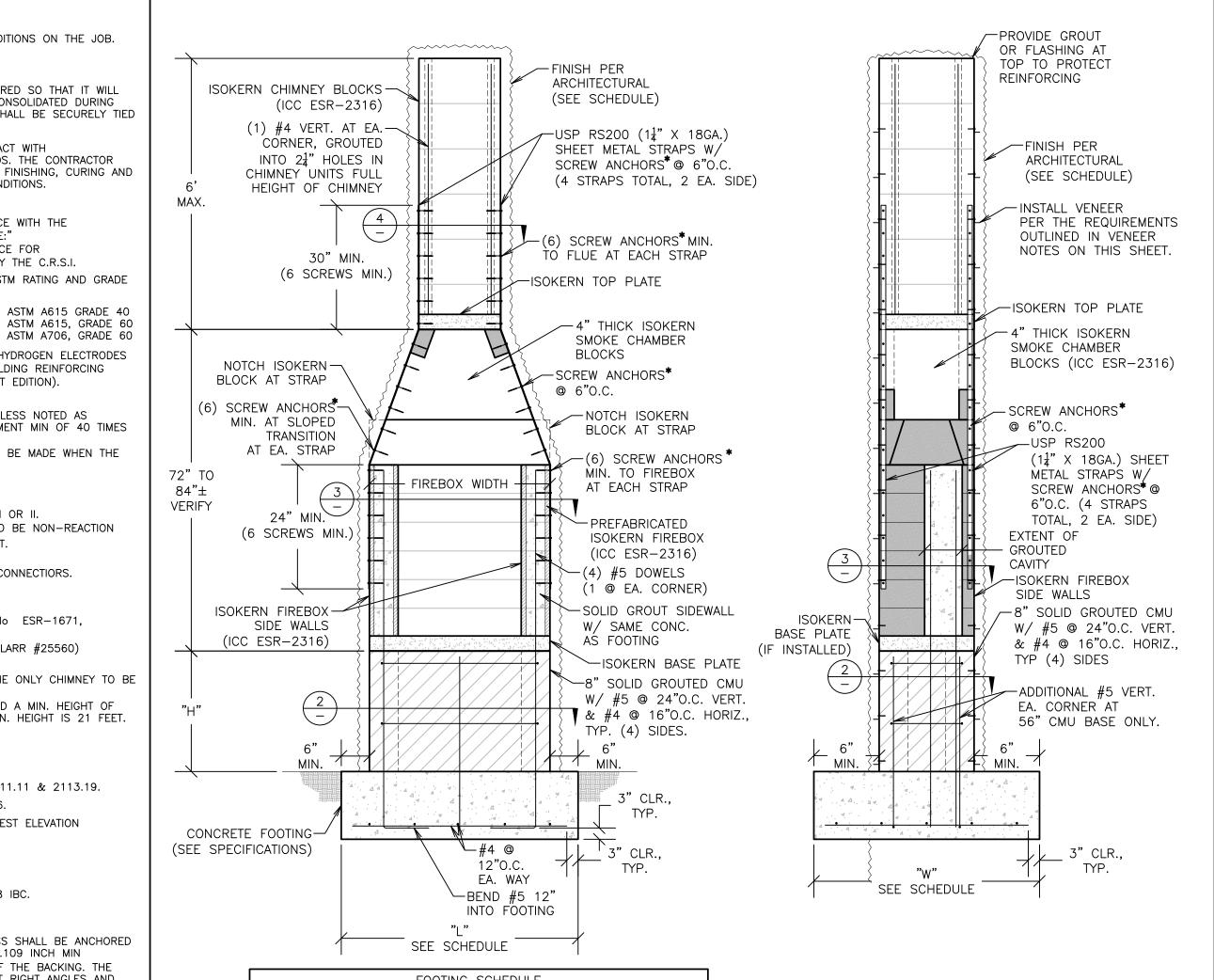
GROUTED

CAVITY

MIN

"W"

SEE SCHEDULE



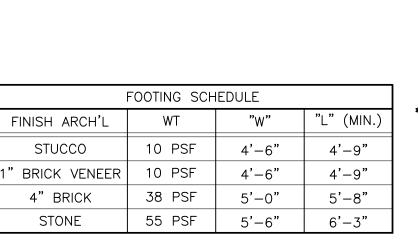
FOOTING SCHEDULE				
FINISH ARCH'L	WT	"H"	"W"	"L" (MIN.)
STUCCO	10 PSF	16" MAX. 32" MAX. 56" MAX.	4'-6" 5'-0" 6'-0"	5'-0" 5'-3" 6'-6"
1" BRICK VENEER	10 PSF	16" MAX. 32" MAX. 56" MAX.	4'-8" 5'-0" 6'-3"	5'-0" 5'-3" 6'-9"
4" BRICK	38 PSF	16" MAX. 32" MAX. 56" MAX.	5'-3" 5'-8" 6'-6"	5'-9" 6'-3" 6'-8"
STONE	55 PSF	16" MAX. 32" MAX. 56" MAX.	6'-0" 6'-3" 6'-9"	6'-6" 6'-9" 7'-6"

*SCREW ANCHORS SHALL BE $\frac{3}{16}$ " X $1\frac{1}{2}$ " SCREWS

- RAMSET/REDHEAD TAPCON ANCHORS (ICC REPORT NO. ESR-1671, LARR #24953)
- SIMPSON TITEN SCREW ANCHORS (ICC ESR-1056, LARR #25560)

· ·	FOOTING SCHEDULE				
FINISH ARCH'L	WT	"W"	"L" (MIN.)		
STUCCO	10 PSF	4'-6"	4'-9"		
1" BRICK VENEER	10 PSF	4'-6"	4'-9"		
4" BRICK	38 PSF	5'-0"	5'-8"		
STONE	55 PSF	5'-6"	6'-3"		

SEE SCHEDULE



****_#4 @

12"O.C.

EA. WAY

—BEND #5 12"

INTO FOOTING

*SCREW ANCHORS SHALL BE $\frac{3}{16}$ " X $1\frac{1}{2}$ " SCREWS RAMSET/REDHEAD TAPCON ANCHORS (ICC REPORT NO. ESR-1671, LARR #24953)

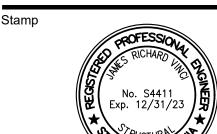
SIMPSON TITEN SCREW ANCHORS

(ICC ESR-1056, LARR #25560)

MIN.

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Project Name / Address

ISOKERN FIREPLACE **SYSTEMS**

EXTERIOR FIREBOX with ISOKERN FLUE

Project Name / Address

PROJECT TITLE

Street Address City, State

FOR CONSTRUCTION

Description

01-1491 □ Project Number: □ Project Engineer J. VINCI, S.E. JRV ☐ Checked By: □ Drawn By: JWB

AS NOTED

00-00-2020

☐ Scale: □ Date:

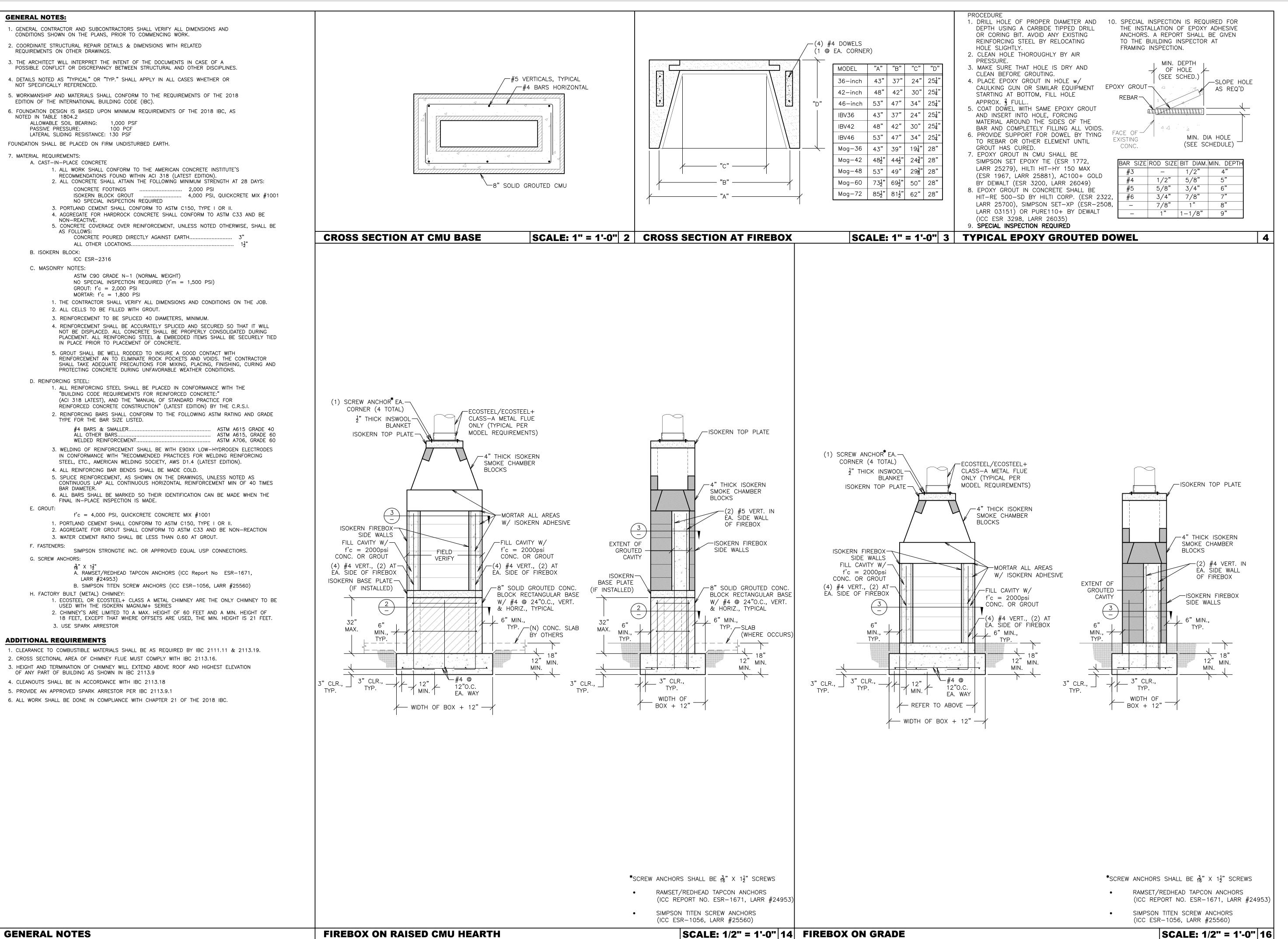
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GENERAL NOTES

OUTDOOR FIREPLACE INSTALLATION WITH RAISED HEARTH

SCALE: 1/2" = 1'-0" 14 TYPICAL OUTDOOR FIREPLACE INSTALLATION

|SCALE: 1/2" = 1'-0" | 16



Fireplaces and Chimney Systems
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Project Name / Address

ISOKERN FIREPLACE SYSTEMS

EXTERIOR FIREBOX with METAL FLUE

Project Name / Address

PROJECT TITLE

Street Address
City, State

FOR CONSTRUCTION

Revision Description Date

01-1491

J. VINCI, S.E.

AS NOTED

00-00-2020

□ Project Number:

☐ Checked By:
☐ Drawn By:

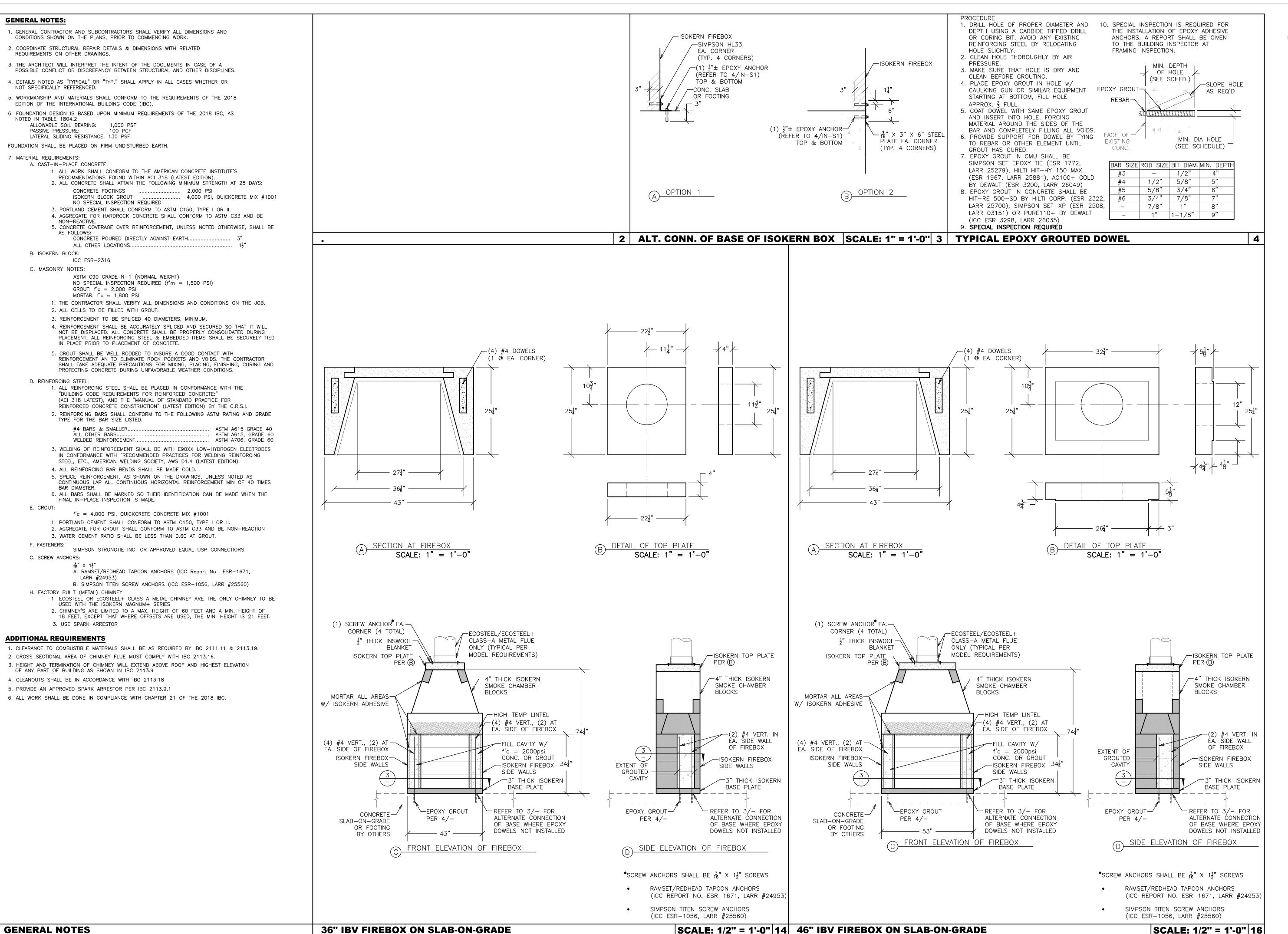
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□ Date:

□ Project Engineer

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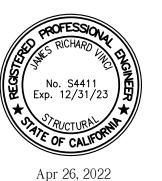
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ISOKERN FIREPLACE SYSTEMS

IBV FIREBOX on SLAB FOUNDATION

Project Name / Address

PROJECT TITLE

Street Address City, State

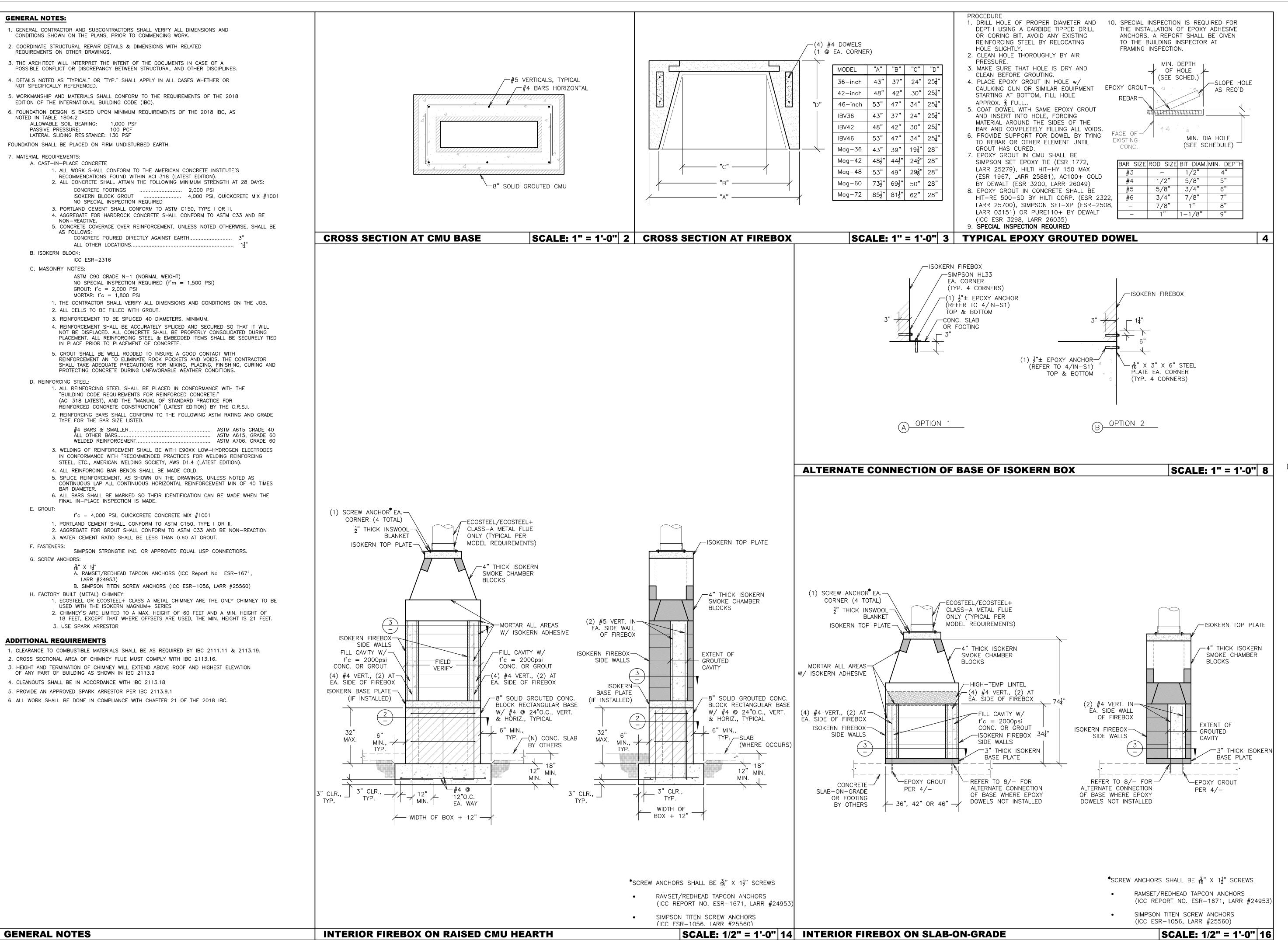
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Description

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□ Project Engineer: J. VINCI, S.E.
□ Checked By: JRV
□ Drawn By: JWB
□ Scale: AS NOTED
□ Date: 00-00-2020

Sheet Number

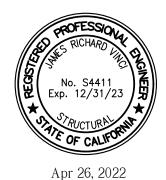
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Project Name / Address

ISOKERN FIREPLACE SYSTEMS

INTERIOR FIREBOX on SLAB FOUNDATION

Project Name / Address

PROJECT TITLE

Street Address
City, State

FOR CONSTRUCTION

Revision Description Date

□ Project Number: 01-1491

☐ Project Engineer:
☐ Checked By:
☐ Drawn By:
☐ J. VINCI, S.E.
☐ JRV
☐ Drawn By:
☐ JWB

AS NOTED

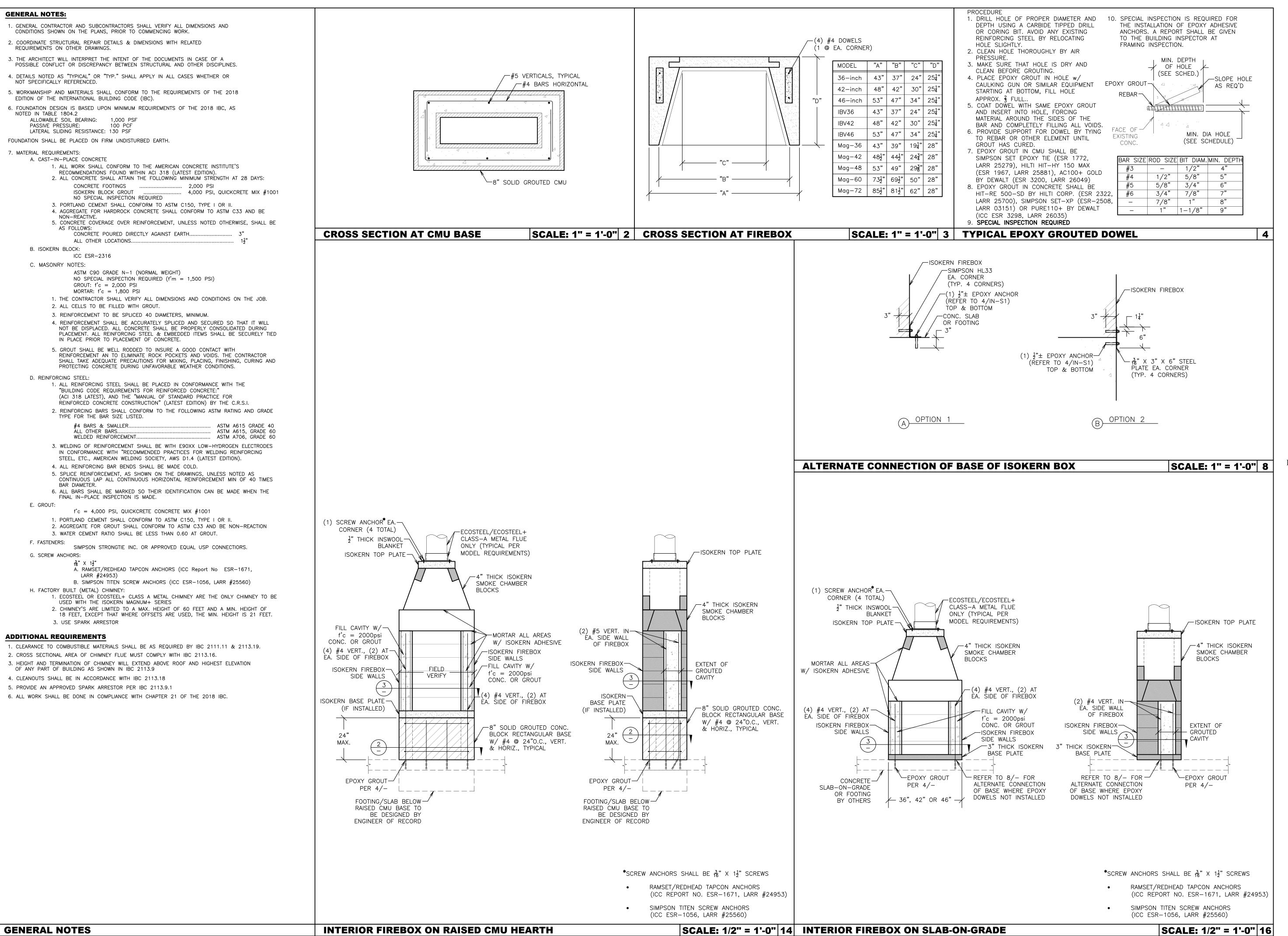
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IN-S



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ISOKERN FIREPLACE **SYSTEMS**

INTERIOR FIREBOX on SLAB FOUNDATION

Project Name / Address

PROJECT TITLE

Street Address City, State

FOR CONSTRUCTION

Description

01-1491

□ Project Engineer J. VINCI, S.E. ☐ Checked By: JRV ☐ Drawn By: JWB AS NOTED ☐ Scale:

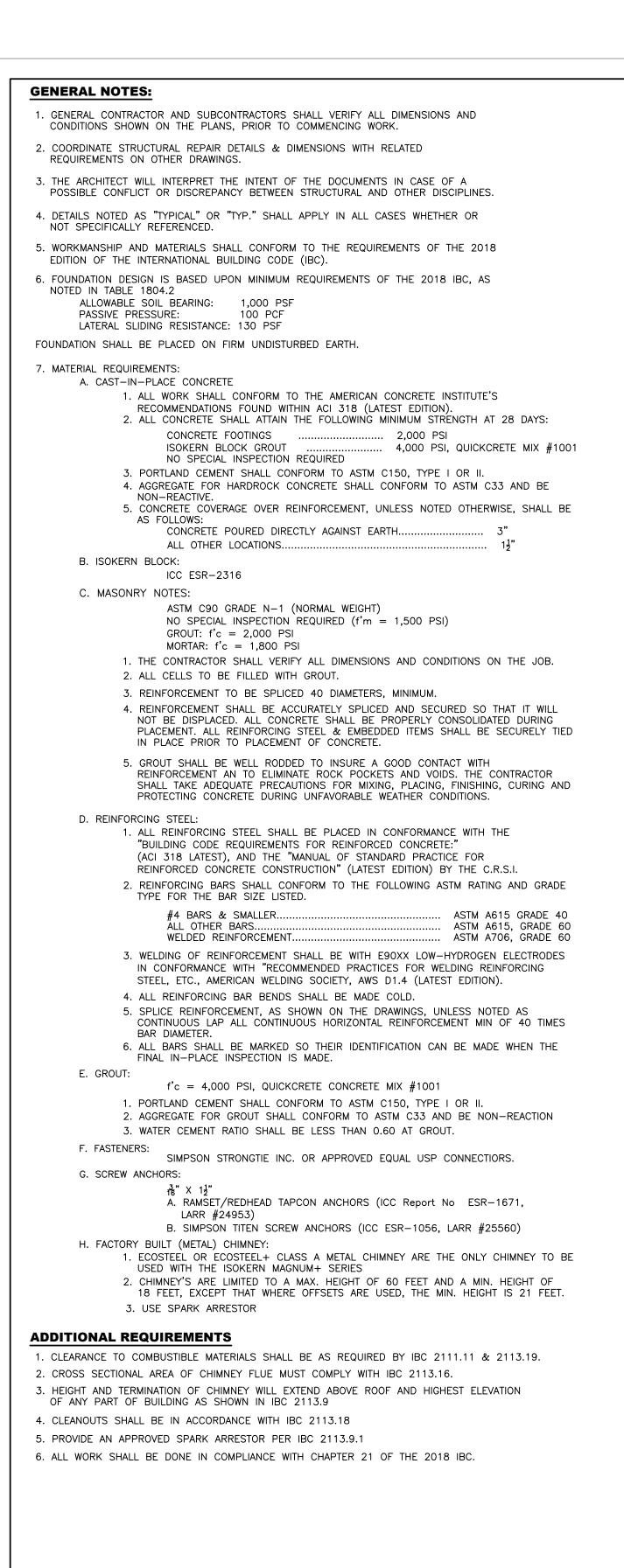
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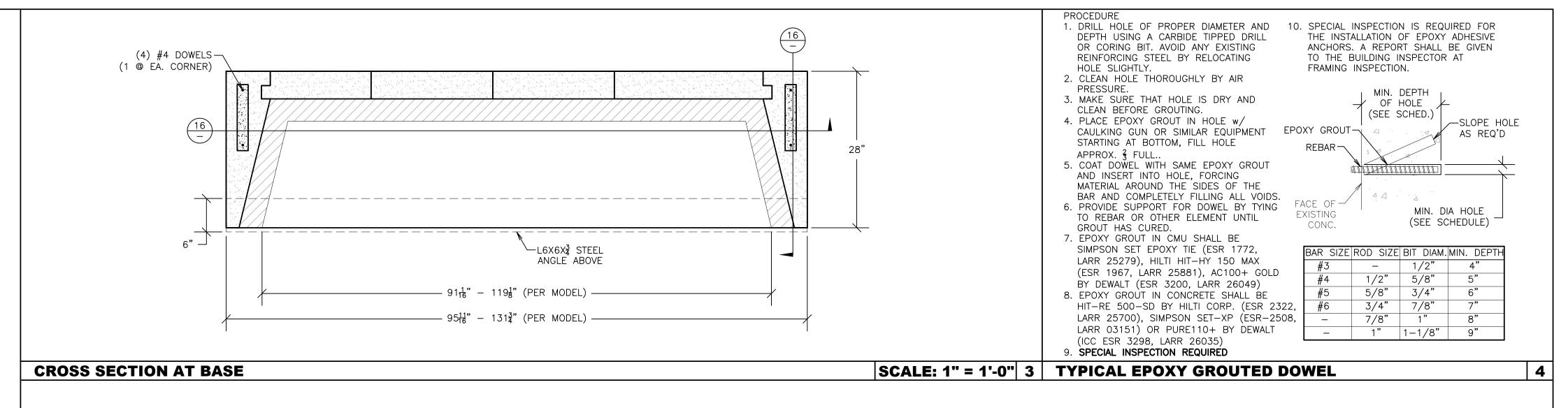
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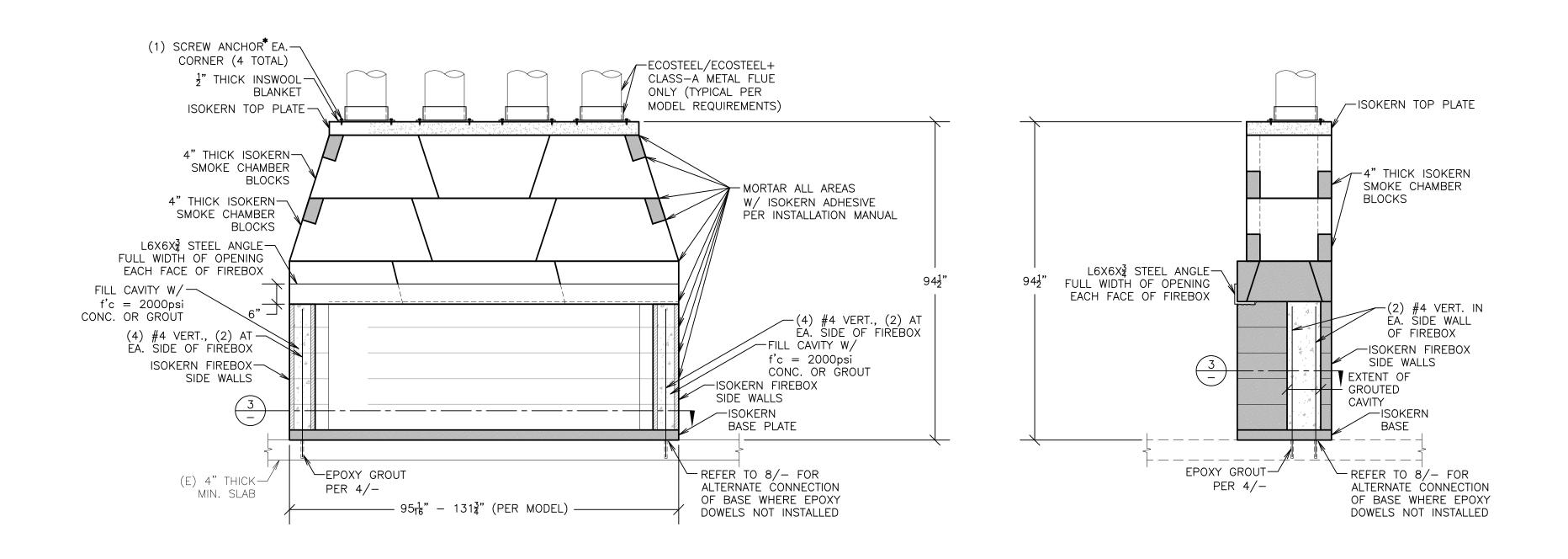
□ Project Number

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Sheet Number







*SCREW ANCHORS SHALL BE 3" X 12" SCREWS

- RAMSET/REDHEAD TAPCON ANCHORS (ICC REPORT NO. ESR-1671, LARR #24953)
 - SIMPSON TITEN SCREW ANCHORS (ICC ESR-1056, LARR #25560)

| SCALE: 1/2" = 1'-0" | 16

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ISOKERN FIREPLACE **SYSTEMS**

INTERIOR FIREBOX with METAL FLUE

Project Name / Address

PROJECT TITLE

Street Address City, State

FOR CONSTRUCTION

Description

01-1491

00-00-2020

□ Project Engineer J. VINCI, S.E. JRV ☐ Checked By: ☐ Drawn By: JWB AS NOTED ☐ Scale:

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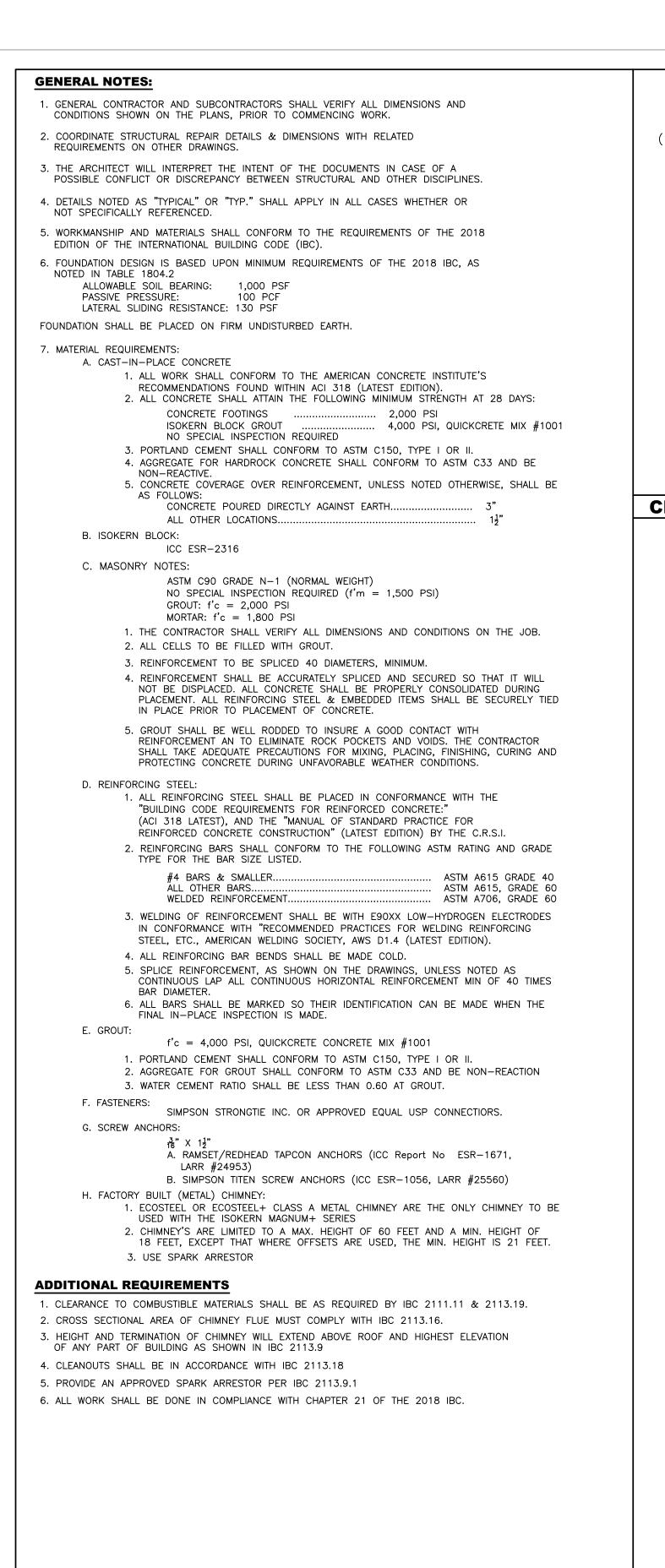
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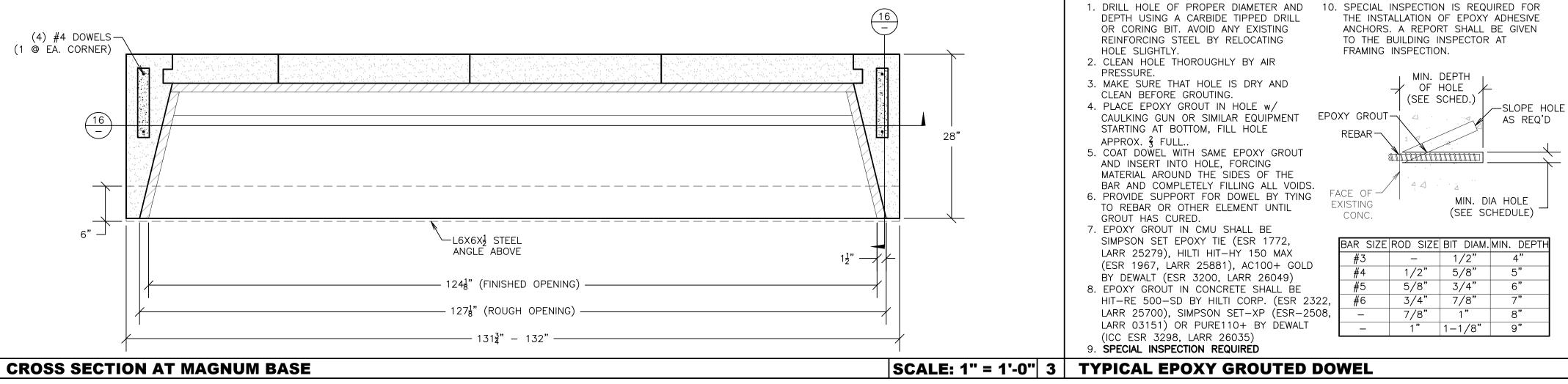
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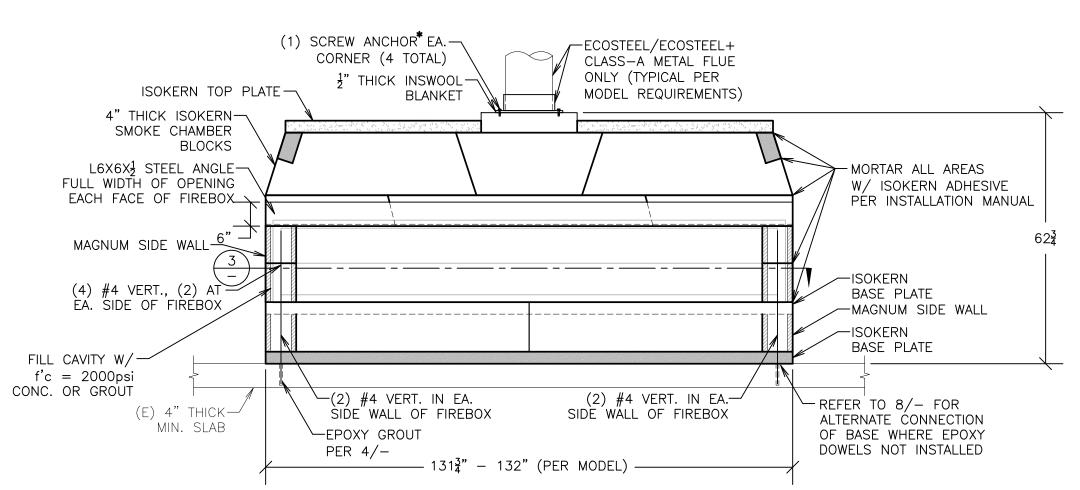
Sheet __ Of __

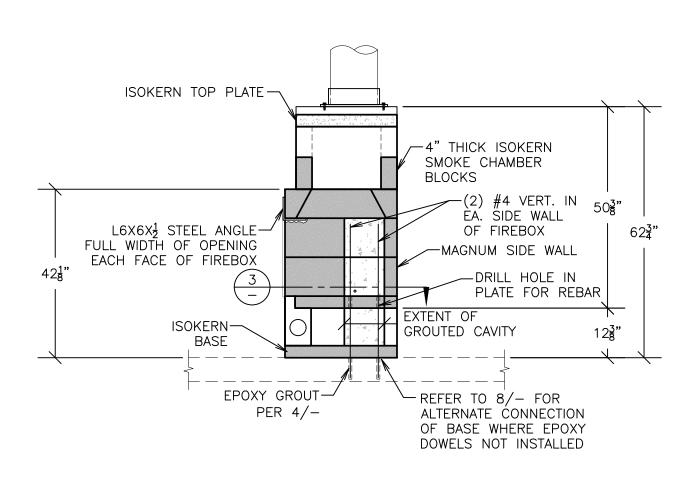
CUSTOM INTERIOR FIREBOX

GENERAL NOTES









*SCREW ANCHORS SHALL BE 3/10" X 12" SCREWS

- RAMSET/REDHEAD TAPCON ANCHORS (ICC REPORT NO. ESR-1671, LARR #24953)
- SIMPSON TITEN SCREW ANCHORS (ICC ESR-1056, LARR #25560)

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ISOKERN FIREPLACE **SYSTEMS**

INTERIOR FIREBOX with METAL FLUE

Project Name / Address

PROJECT TITLE

Street Address City, State

FOR CONSTRUCTION

Description

01-1491 □ Project Number: □ Project Engineer J. VINCI, S.E. JRV ☐ Checked By: ☐ Drawn By: JWB

AS NOTED

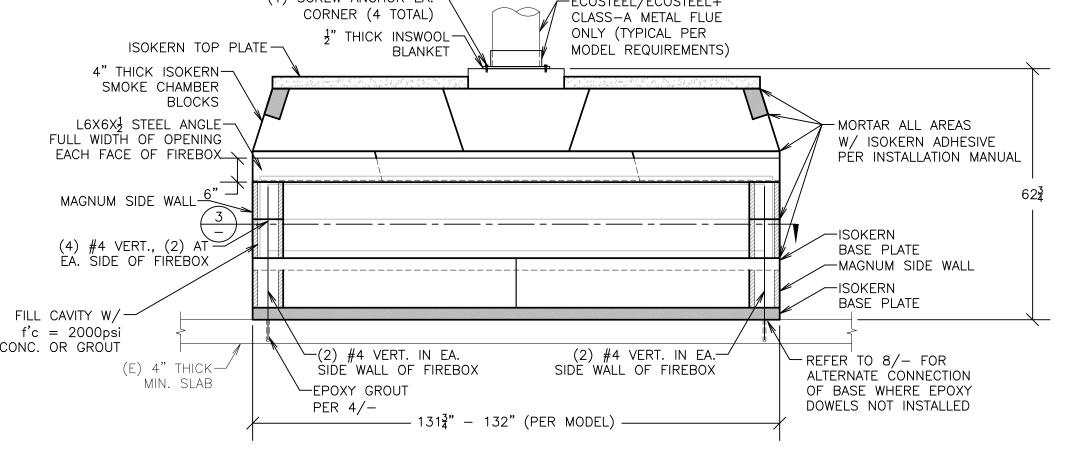
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Sheet Number

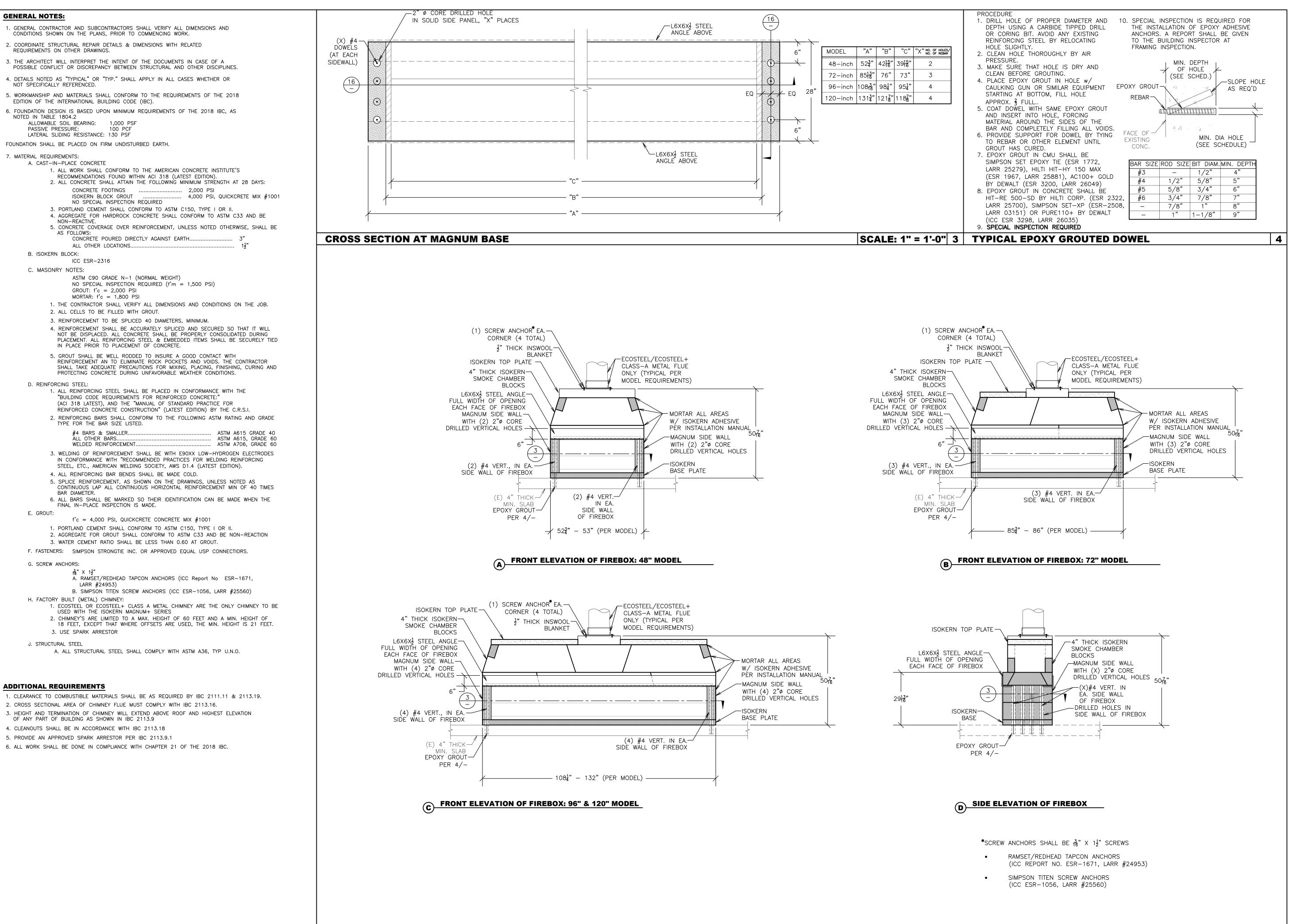
Sheet __ Of __

SCALE: 1/2" = 1'-0" 16



CUSTOM INTERIOR FIREBOX

GENERAL NOTES



CUSTOM INTERIOR FIREBOX

GENERAL NOTES

Fireplaces and Chimney Systems
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6899 PHILLIPS INDUSTRIAL BLVD JACKSONVILLE, FLORIDA 32256 TEL (904) 363-3417 FAX (904) 363-3408 www.isokern.net

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VinciSE.COM

Project Name / Address

ISOKERN FIREPLACE SYSTEMS

INTERIOR FIREBOX with METAL FLUE

Project Name / Address

PROJECT TITLE

Street Address
City, State

FOR CONSTRUCTION

Revision Description Date

01-1491

JWB

AS NOTED

00-00-2020

J. VINCI, S.E.

□ Project Number:□ Project Engineer:□ Checked By:

☐ Drawn By:

☐ Scale:

□ Date:

Sheet Number

IN-S

SCALE: 1/2" = 1'-0" 16 Sheet _ Of _

GENERAL NOTES:

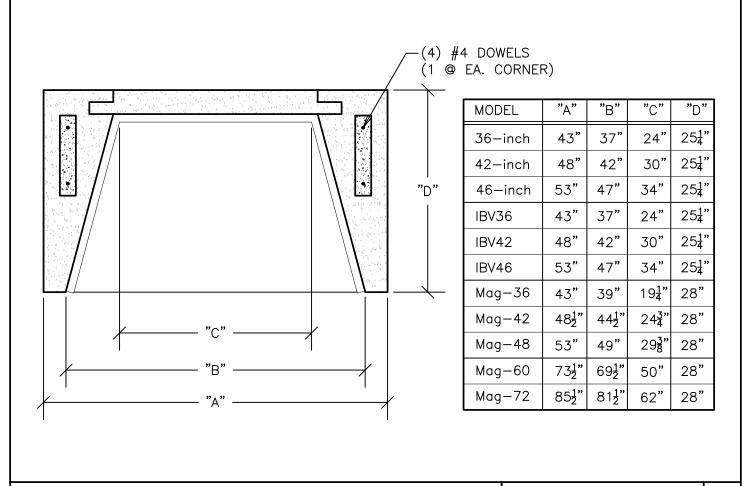
- 1. GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THE PLANS, PRIOR TO COMMENCING WORK.
- 2. COORDINATE STRUCTURAL REPAIR DETAILS & DIMENSIONS WITH RELATED REQUIREMENTS ON OTHER DRAWINGS.
- 3. THE ARCHITECT WILL INTERPRET THE INTENT OF THE DOCUMENTS IN CASE OF A POSSIBLE CONFLICT OR DISCREPANCY BETWEEN STRUCTURAL AND OTHER DISCIPLINES.
- 4. DETAILS NOTED AS "TYPICAL" OR "TYP." SHALL APPLY IN ALL CASES WHETHER OR NOT SPECIFICALLY REFERENCED.
- 5. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE 2018
- EDITION OF THE INTERNATIONAL BUILDING CODE (IBC).
- 6. MATERIAL REQUIREMENTS: A. ISOKERN BLOCK:
 - ICC ESR-2316
 - B. GROUT:
 - f'c = 4,000 PSI, QUICKCRETE CONCRETE MIX #1001 1. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.
 - 2. AGGREGATE FOR GROUT SHALL CONFORM TO ASTM C33 AND BE NON-REACTION 3. WATER CEMENT RATIO SHALL BE LESS THAN 0.60 AT GROUT.
 - SIMPSON STRONGTIE INC. OR APPROVED EQUAL USP CONNECTIORS.
 - D. SCREW ANCHORS:
 - A. RAMSET/REDHEAD TAPCON ANCHORS (ICC Report No ESR-1671,
 - LARR #24953) B. SIMPSON TITEN SCREW ANCHORS (ICC ESR-1056, LARR #25560)
 - E. FACTORY BUILT (METAL) CHIMNEY:
 - 1. ECOSTEEL OR ECOSTEEL+ CLASS A METAL CHIMNEY ARE THE ONLY CHIMNEY TO BE USED WITH THE ISOKERN MAGNUM+ SERIES
 - 2. CHIMNEY'S ARE LIMITED TO A MAX. HEIGHT OF 60 FEET AND A MIN. HEIGHT OF 18 FEET, EXCEPT THAT WHERE OFFSETS ARE USED, THE MIN. HEIGHT IS 21 FEET.
 - 3. USE SPARK ARRESTOR

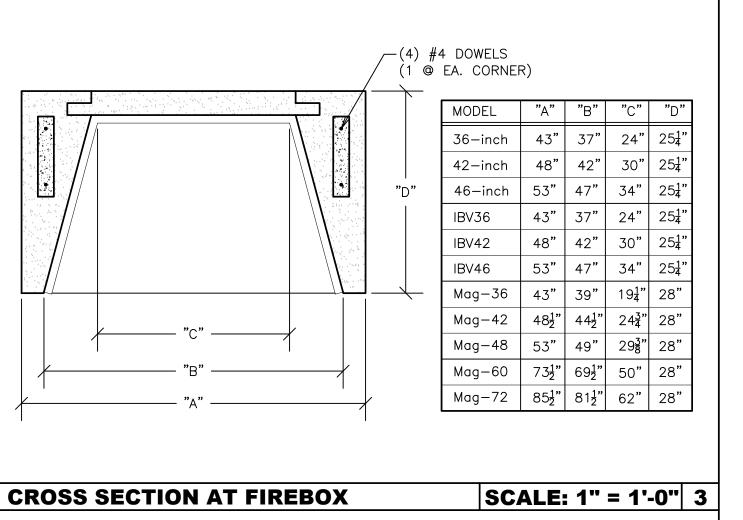
STRUCTURAL STEEL

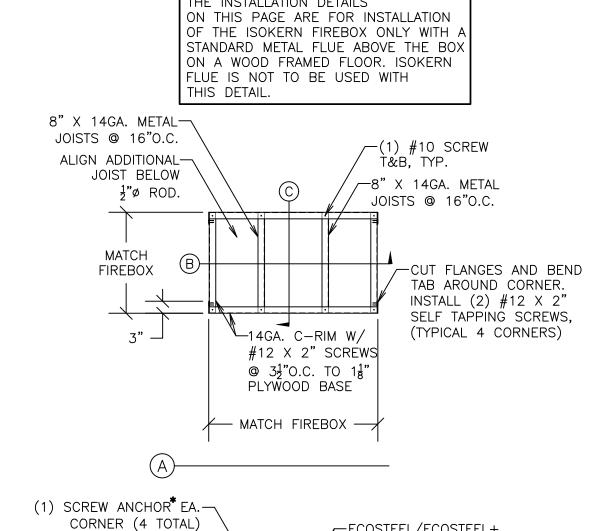
- 1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH "THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" (AISC LATEST EDITION)
- 2. ALL STRUCTURAL STEEL SHAPES AND PLATES SHALL CONFORM TO ASTM A36, WITH A MINIMUM YIELD STRESS OF 36 KSI.
- 3. ALL BOLTS AND THREADED RODS SHALL CONFORM TO ASTM A 307, GRADE A, UNLESS NOTED
- OTHERWISE. ALL THREADED RODS SHALL BE ZINC-PLATED. 4. ALL WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED WITH E70XX ELECTRODES CONFORMING TO AWS D1.1 (LATEST EDITION)
- 5. ALL WELDERS SHALL BE CERTIFIED BY THE CITY OF LOS ANGELES FOR WELDING OF STRUCTURAL STEEL, OR REINFORCING STEEL, AS APPLICABLE BY AWS STANDARDS.
- 6. ALL FABRICATORS SHALL BE CERTIFIED BY THE CITY OF LOS ANGELES.
- 7. ALL FIELD WELDING & ALL MULTI-PASS WELDS SHALL HAVE CONTINUOUS INSPECTION.
- 8. ALL STEEL TUBING SHALL CONFORM TO ASTM A 500, GRADE B, WITH A MINIMUM YIELD STRENGTH
- OF 46 KSI
- 9. ALL STEEL SHALL BE PRIMED AND PAINTED, EXCEPT STEEL SURFACES ENCASED IN CONCRETE SHALL BE LEFT UNPAINTED.
- 10. VERIFY ALL DIMENSIONS & CONDITIONS AT THE SITE PRIOR TO FABRICATION OF STEEL.

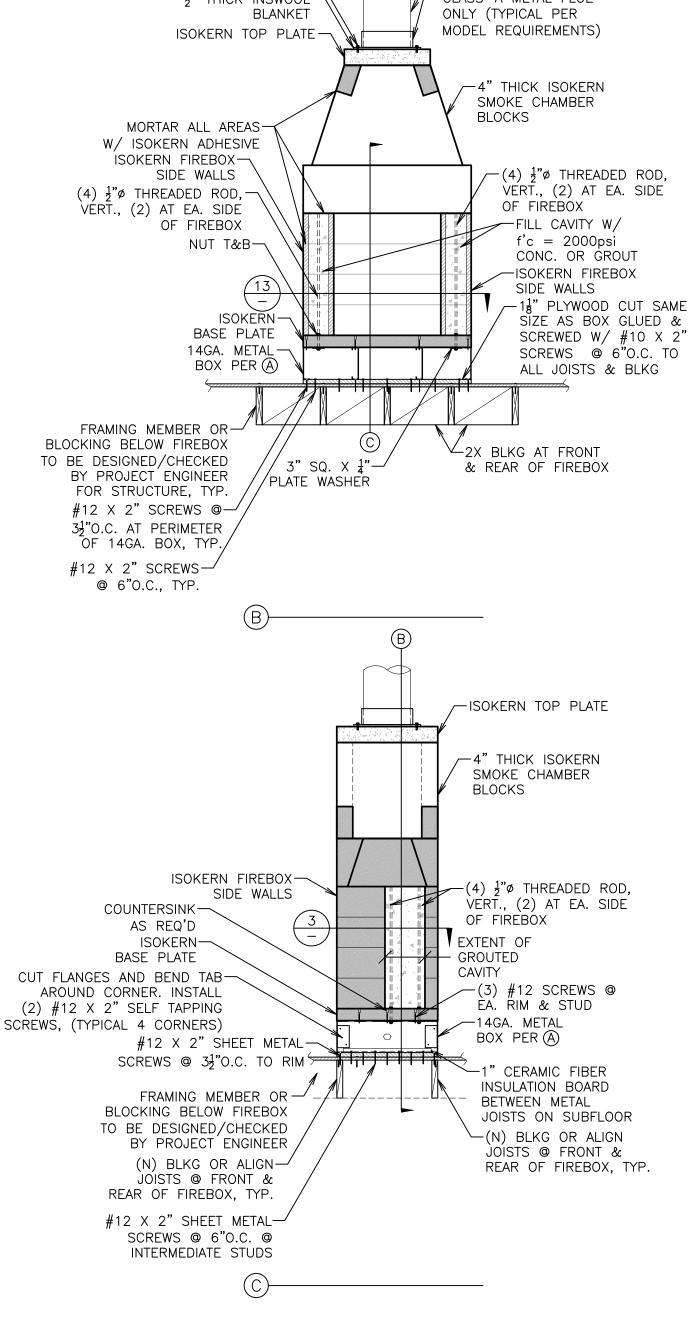
ADDITIONAL REQUIREMENTS

- 1. CLEARANCE TO COMBUSTIBLE MATERIALS SHALL BE AS REQUIRED BY IBC 2111.11 & 2113.19.
- 2. CROSS SECTIONAL AREA OF CHIMNEY FLUE MUST COMPLY WITH IBC 2113.16.
- 3. HEIGHT AND TERMINATION OF CHIMNEY WILL EXTEND ABOVE ROOF AND HIGHEST ELEVATION OF ANY PART OF BUILDING AS SHOWN IN IBC 2113.9
- 4. CLEANOUTS SHALL BE IN ACCORDANCE WITH IBC 2113.18
- 5. PROVIDE AN APPROVED SPARK ARRESTOR PER IBC 2113.9.1
- 6. ALL WORK SHALL BE DONE IN COMPLIANCE WITH CHAPTER 21 OF THE 2018 IBC.









VINCI & ASSOCIATES Structural Engineers VinciSE.COM

Apr 26, 2022

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Project Name / Address

ISOKERN FIREPLACE **SYSTEMS**

ISOKERN on RAISED METAL BOX

Project Name / Address

PROJECT TITLE

Street Address City, State

FOR CONSTRUCTION

Description

□ Project Engineer J. VINCI, S.E. JRV ☐ Checked By: JWB ☐ Drawn By: AS NOTED ☐ Scale: 00-00-2020 □ Date:

01-1491

Sheet Number

□ Project Number:

THE INSTALLATION DETAILS -ECOSTEEL/ECOSTEEL+ CLASS-A METAL FLUE $\frac{1}{2}$ " THICK INSWOOL-

GENERAL NOTES

FIREBOX ON RAISED METAL BOX

|SCALE: 1/2" = 1'-0" | 16 |

*SCREW ANCHORS SHALL BE $\frac{3}{16}$ " X $1\frac{1}{2}$ " SCREWS

RAMSET/REDHEAD TAPCON ANCHORS

SIMPSON TITEN SCREW ANCHORS (ICC ESR-1056, LARR #25560)

(ICC REPORT NO. ESR-1671, LARR #24953)