

Public Works Agency

Contracting Agency: County of Ventura

CONTRACT CHANGE ORDER NO. 18

Project Name: VENTURA COUNTY FIRE TRAINING CENTER SITE IMPROVEMENTS AND STRUCTURAL TRAINING PROPS

ACCOUNTING	A/C Contract No.	Budget Dept/Acct No.	Project No.
DATA:		FPD/4117	P6T18021

To: McGillivray Construction, Inc., CONTRACTOR

You are hereby directed to make the following changes to the plans and specifications for this contract.

Note: This change order is not effective until approved by the Board of Supervisors, Director of Public Works Agency, a Department Director (as Deputy Director - Public Works Agency) or Deputy Purchasing Agent, as indicated.

The Contractor is to provide all labor, material, equipment, supervision, and subcontract costs for the following work:

- Perform all work and incorporate the changes indicated in the attached **CP23-02 CCO-18 ASI-002 Rev2** documents which includes the following revised contract drawings:
 - Architectural:
 - B2-A100, B2-A101, B2-A102, B2-A111, B2-A200, B2-A201, B2-A202, B2-A600, B2-A800, B2-A801, and B2-A802.
 - Plumbing:
 - B2-P000, B2-P001, B2-P100, B2-P101, and B2-P102.
 - Electrical:
 - E-002, ES-102, B2-E101, B2-E102, and B2-E103.

As a result of this change, the total price of this change order is \$ 432,181.00

By reason of this order, the time of completion will be adjusted as follows:

Contract time is extended by 24 working days.

RECOMMENDED  REG. NO. C75779 DATE 1/15/2025

FOR APPROVAL BY: Director – Public Works Agency

APPROVED BY  DATE 01/28/2025

The undersigned contractor has given careful consideration to the change proposed, including its effect on other work already contracted for, and hereby agrees, if this change order is approved, that he will provide all equipment, furnish all materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment for all costs related in any way thereto the prices shown above.

ACCEPTED, CONTRACTOR

BY  TITLE President DATE 02/03/25

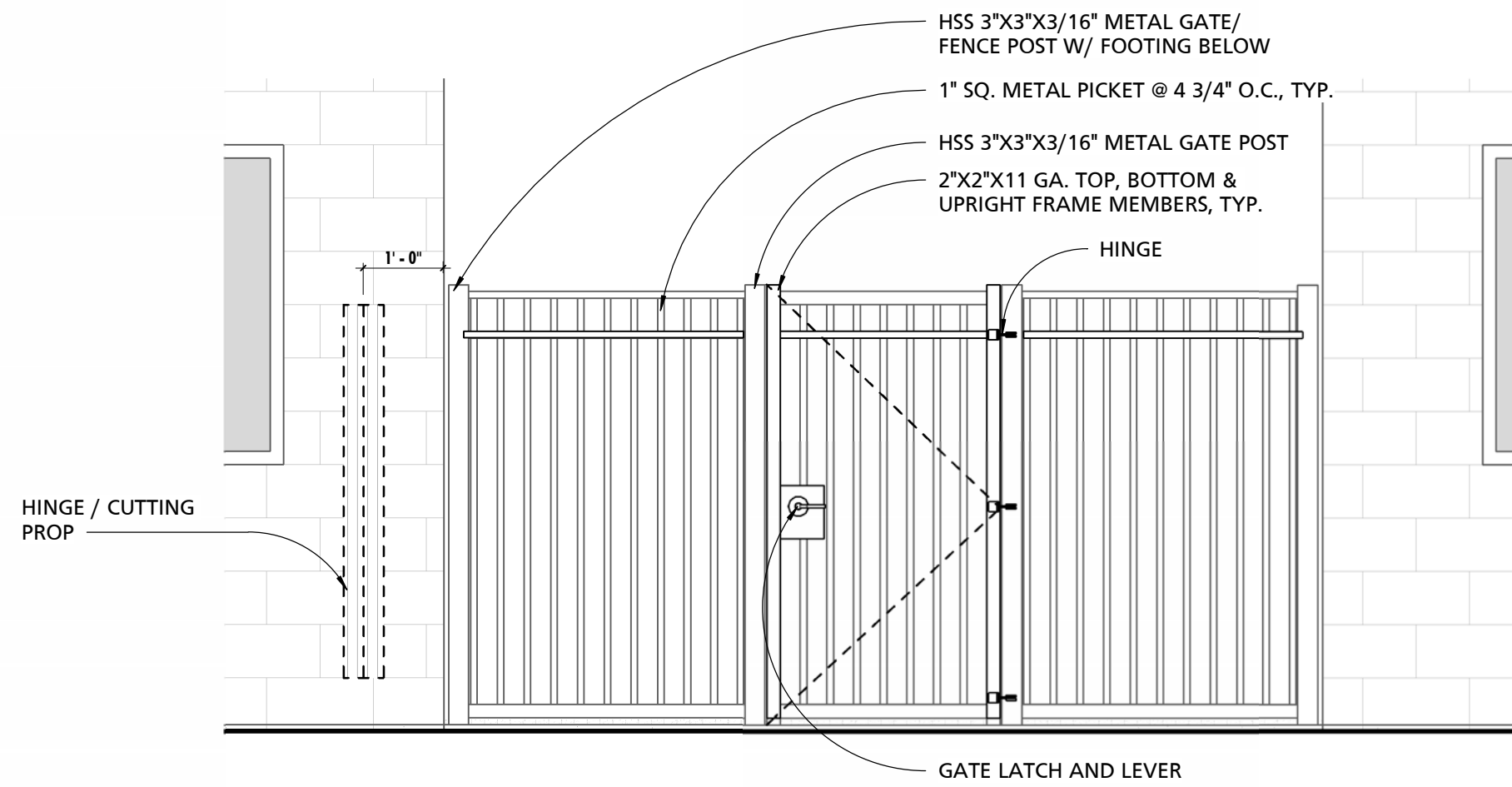
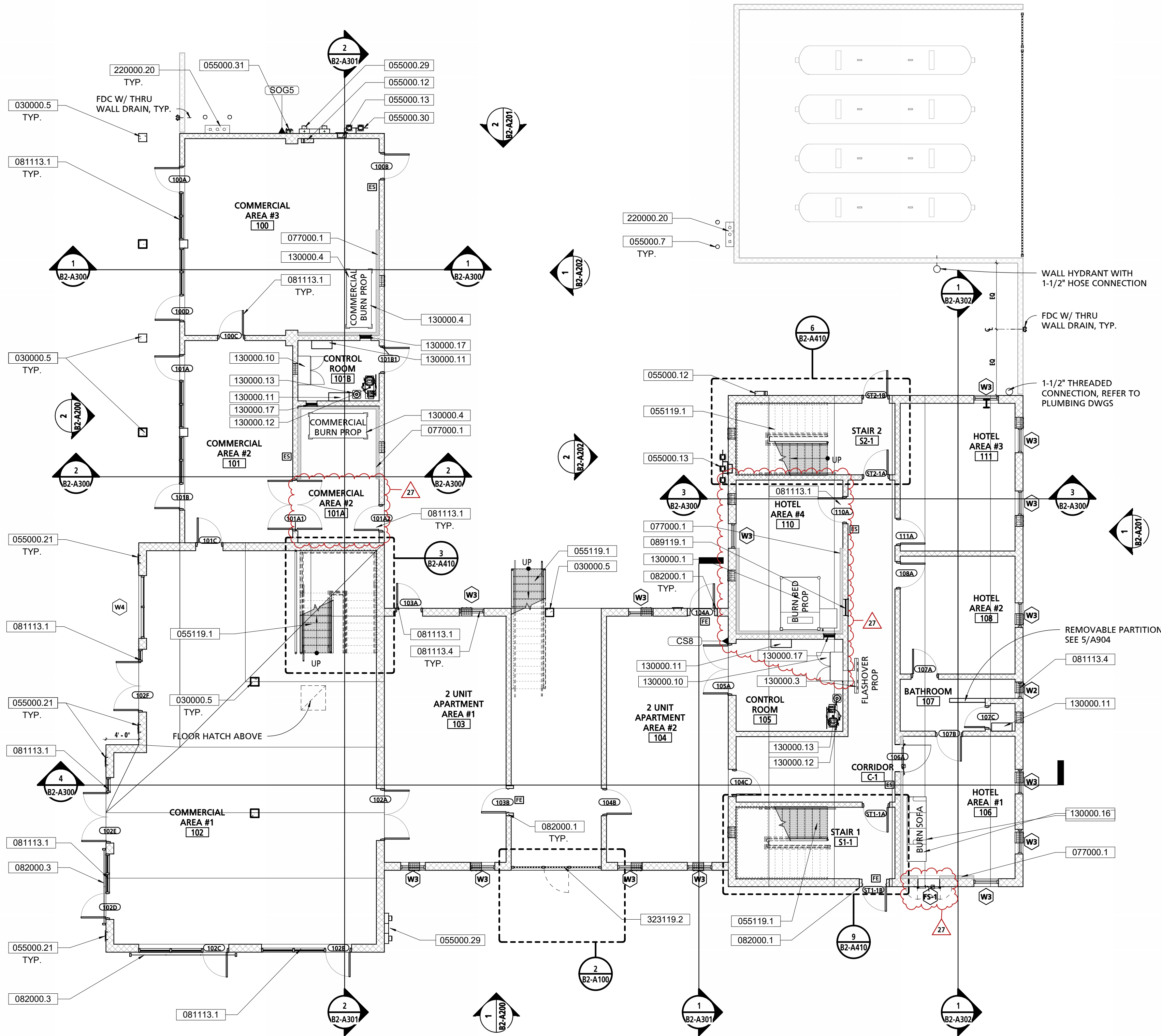
If this contract change order is executed by the Agency, but the Contractor does not sign it, the Contractor shall, as required by the Specifications cited:

1. Proceed with the ordered work (Subsections 3-2.2.3 and 3-5);
2. File a written Notice of Potential Claim before commencing the work ordered (Subsection 6-11); and
3. Keep and furnish daily records of materials, equipment and labor (Subsections 3-3.3 and 3-5).

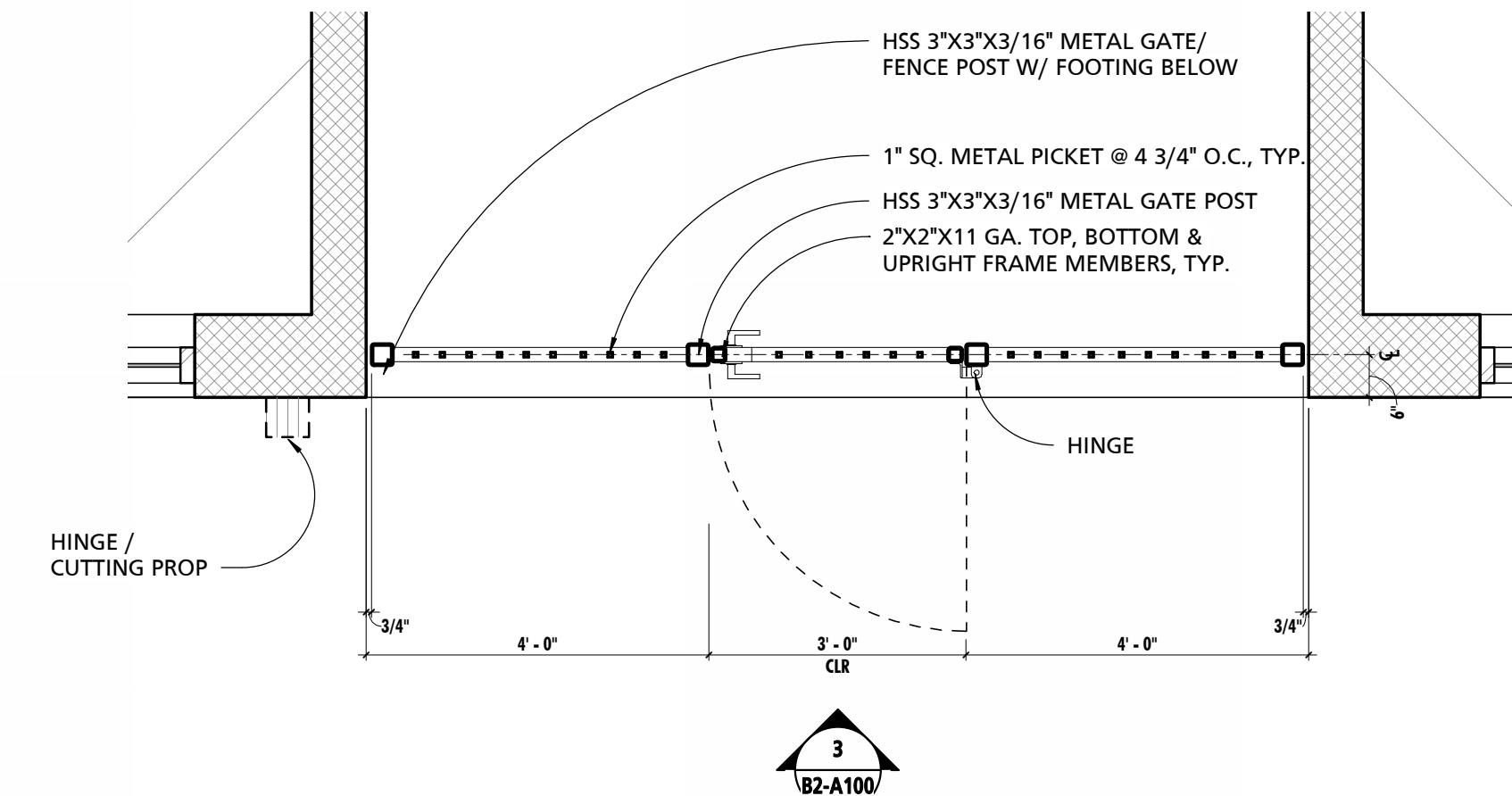
GENERAL REFERENCE PLAN NOTES	
1	PROVIDE A BULLNOSE CMU AT ALL OUTSIDE CORNERS OF INTERIOR MASONRY WALLS & SILLS.
2	SEE A906 FOR TYPICAL RAILING DETAILS.

PLAN LEGEND	
	HOLLOW METAL DOOR
	FORCIBLE ENTRY DOOR
	BURN ROOM DOOR
	EMERGENCY STOP
	NEW WALL/PARTITION
	THERMAL LINER PANEL SYSTEM
	THERMAL LINER CEILING PANEL

KEY VALUE	KEYNOTE TEXT
030000.5	CONCRETE COLUMN, REFER TO STRUCTURAL DRAWINGS
055000.7	METAL BOLLARD
055000.12	MOCK ELECTRICAL CABINETS; SEE SHEET A904
055000.13	MOCK VALVE CABINET; SEE SHEET A904
055000.21	RECESSED GALVANIZED STEEL LADDER TIE-OFF; SEE DETAIL 6/A904, TYP.
055000.29	MOCK ELECTRICAL METER (COMMERCIAL), PROVIDE 2" EMPTY WALL MOUNTED CONDUIT TO 6" BELOW GRADE; SEE SHEET A904
055000.30	MOCK GAS METER; SEE SHEET A904
055000.31	MOCK DISCONNECT SWITCH; PROVIDE 2" EMPTY WALL MOUNTED CONDUIT TO 6" BELOW GRADE; SEE SHEET A904
055119.1	GALVANIZED STEEL GRATE STAIR, TYP.
077000.1	THERMAL LINING SYSTEM WALL PANELS
081113.1	HOLLOW METAL DOOR & FRAME
081113.4	HOLLOW METAL WINDOW WITH REMOVABLE PANEL; SEE SHEET A903
082000.1	FORCIBLE ENTRY DOOR SIMULATOR
082000.3	STOREFRONT SECURITY DOOR
089119.1	FIXED LOUVER - 24"x40"
130000.1	LPG BED PROP BY TRAINING PROP VENDER
130000.3	LPG FLASHOVER PROP BY TRAINING PROP VENDER WITH 16"x16" WALL OPENING BY CONTRACTOR, COORDINATE OPENING LOCATION FOR HK WALL PLATE WITH THE FIRE PROP VENDOR
130000.4	LPG COMMERCIAL PROP BY TRAINING PROP VENDER
130000.10	CONTROL RACK BY TRAINING PROP VENDER
130000.11	SMOKE GENERATOR BY TRAINING PROP VENDER
130000.12	AIR COMPRESSOR BY TRAINING PROP VENDER
130000.13	AIR DRYER BY TRAINING PROP VENDER
130000.16	LPG SOFA PROP BY FIRE PROP VENDOR
130000.17	16"x16" WALL OPENING BY CONTRACTOR, COORDINATE OPENING LOCATION FOR HK WALL PLATE WITH THE FIRE PROP VENDOR
220000.20	PROPAINTE STUB UP WITH PROTECTIVE BOLLARDS, REFER TO A104
323119.2	METAL SWINGING PERSON GATE



3 GATE ELEVATION
1/2" = 1'-0"



2 ENLARGED GATE PLAN
1/2" = 1'-0"

1 FIRST FLOOR REFERENCE PLAN
1/8" = 1'-0"



PUBLIC
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ENGINEERING SERVICES

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WHITE MARSH, MD 21162
phone 410.344.1460
www.mwsarch.com



PROFESSIONAL SEALS

PERMIT APPROVAL STAMP

PERMIT NO C21-777 & C21-778		
NO	REVISION	DATE
1	BID SET	08-21-2023
2	PLAN CHECK RE-SUBMITTAL	03-04-2022
3	PLAN CHECK RE-SUBMITTAL	04-22-2022
7	RFI #4.1	01-17-2024
10	RFI #10	01-05-2024
13	ASI# 2	02-14-2024
16	ASI-002_Rev1	04-26-2024
27	ASI-002_Rev2	12/05/2024

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER

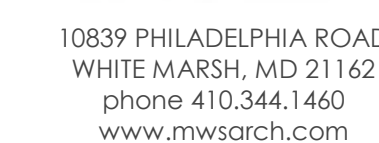
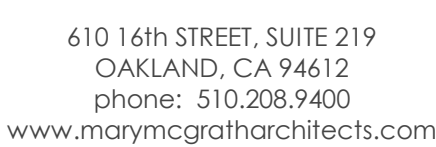
DRAWN BY	JB	CHECKED BY	GC
CONSULTANT JOB NO	20-126	DATE	08/21/2023
PROJECT TITLE AND ADDRESS			

VENTURA COUNTY
FIRE TRAINING
CENTER

165 DURLEY AVE
CAMARILLO, CA 93010
COUNTY SPEC NUMBER
CP23-02
COUNTY PROJECT NUMBER
P6T18021
COUNTY DWG NO
SHEET
of 123

SHEET TITLE
REFERENCE PLAN - FIRST
FLOOR PLAN

SHEET NO
CP23-02
CCO-18
B2-A100



PERMIT APPROVAL STAMP

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER

DRAWN BY	CHECKED
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CONSULTANT JOB NO	DATE
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PROJECT TITLE AND ADDRESS

**VENTURA COUNTY
FIRE TRAINING
CENTER**

165 DURLEY AVE
CAMARILLO, CA 93010

COUNTY SPEC NUMBER

CP23-02

P6T18021

COUNTY DWG NO	SHEET	OF 123
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SHEET TITLE

REFERENCE PLAN -
SECTION 11.000.000

SECOND FLOOR PLAN

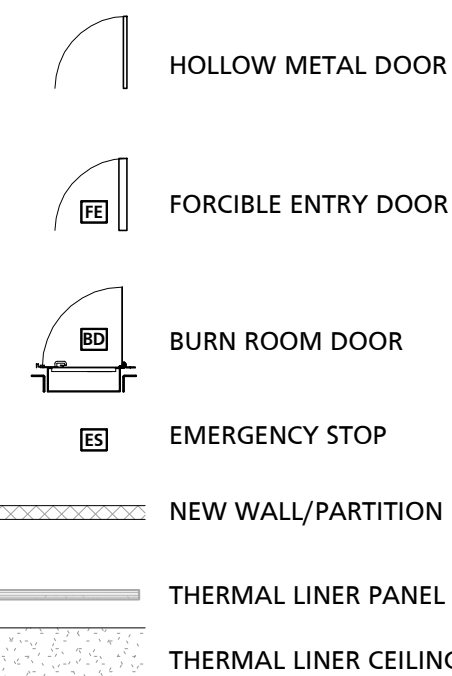
SHEET NO. **D2 A 101**

CCO-18 BZ-A101

GENERAL REFERENCE PLAN NOTES

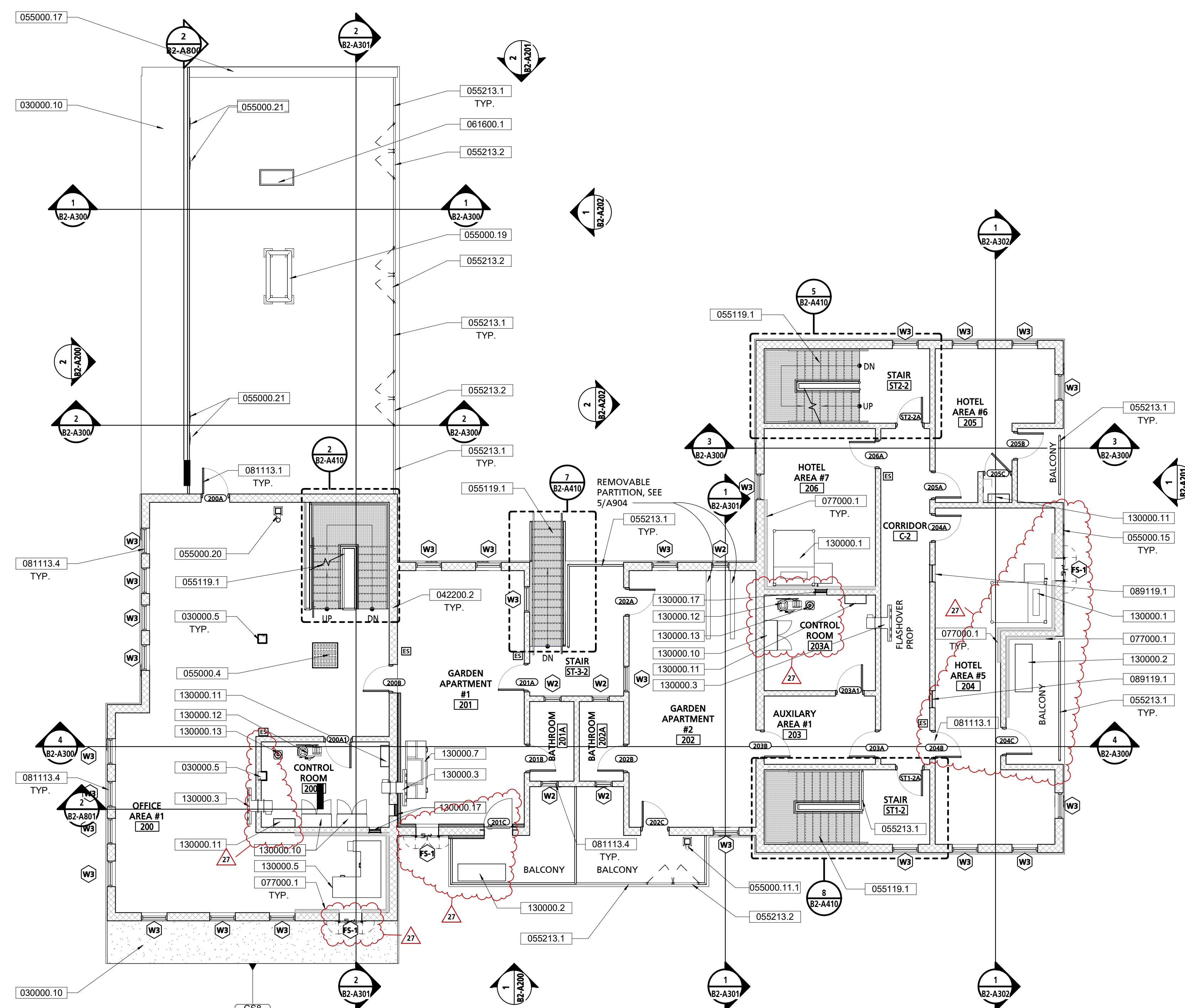
1	PROVIDE A BULLNOSE CMU AT ALL OUTSIDE CORNERS OF INTERIOR MASONRY WALLS & SILLS.
2	SEE A906 FOR TYPICAL RAILING DETAILS.

PLAN LEGEND



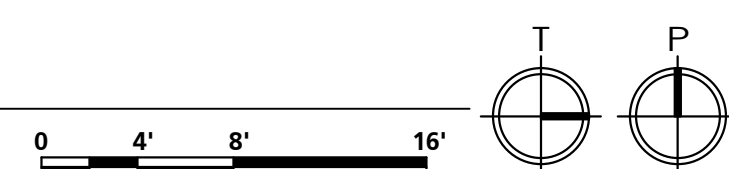
KEY VALUE KEYNOTE TEXT

030000.5	CONCRETE COLUMN, REFER TO STRUCTURAL DRAWINGS
030000.10	CLUMBED CONCRETE ROOF SLAB, REFER TO STRUCTURAL DRAWINGS
042200.2	12" CMU BLOCK WALL FILLED SOLID, TYP.
050000.4	3'-0" X 3'-0" ACCESS hatch
050500.11.1	9'-0" H GALVANIZED POST / WALL BARRELLING TIE-OFFS, REFER TO STRUCTURAL DWGS
050000.15	WALL SCUPPER, SEE DETAIL A/8902
050000.17	GALVANIZED STEEL BEENT PLATE CORING
050000.19	NO. 10 W/ 10" BARRELLING TIE-OFF, REFER TO STRUCTURAL DWGS
050000.20	GALVANIZED STEEL COLUMN TIE-OFF, REFER TO STRUCTURAL DWGS
050000.21	RECESS GALVANIZED STEEL ADDER TIE-OFF, SEE DETAIL A/904
05119.1	GALVANIZED STEEL GRATE STAIR, TYP.
05213.1	2" STD GALVANIZED STEEL 42" H PIPEWALL, TYP.
05213.2	2" STD GALVANIZED STEEL GRATE, TYP.
061600.1	ROOF CHOP OUT PANEL - 2'X4', SEE SHEET A904
070000.1	THERMAL LINING SYSTEM WALL PANELS
081111.7	HOLLOW METAL DOOR WITH GLASS
081113.4	HOLLOW METAL WINDOW WITH REMOVABLE PANEL, SEE SHEET A903
089119.1	FIXED LOUVER - 24"X40"
130000.1	LPG BED PROP BY TRAINING PROP VENDER
130000.2	LPG BED PROP BY TRAINING PROP VENDER
130000.3	LPG FLASHPROOF PROP BY TRAINING PROP VENDER WITH 16"X16" WALL OPENING BY CONTRACTOR, COORDINATE LOCATION FOR HK WALL PLATE WITH THE FIRE PROP VENDER
130000.5	LPG DISG PROP BY TRAINING PROP VENDER
130000.7	LPG KITCHEN PROP BY TRAINING PROP VENDER
130000.10	CONCRETE RACK BY TRAINING PROP VENDER
130000.11	SMOKE GENERATOR BY TRAINING PROP VENDER
130000.12	AIR COMPRESSOR BY TRAINING PROP VENDER
130000.13	AIR DRYER BY TRAINING PROP VENDER
130000.14	16"X16" WALL OPENING BY CONTRACTOR, COORDINATE LOCATION FOR HK WALL PLATE WITH THE FIRE PROP VENDER



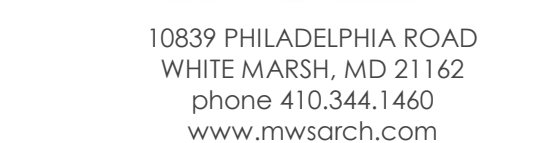
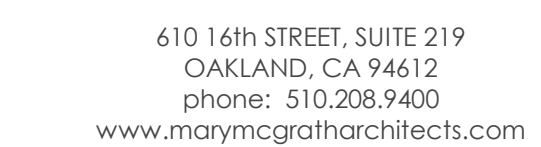
SECOND FLOOR REFERENCE PLAN

$1/8" = 1'-0"$



BID ADDENDA 1 / CONFORMED

SHEET NO **B2-A101**
CP23-02
CCO-18



C21-777 & C21-778		
PERMIT NO		
NO	REVISION	DATE
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1	PLAN CHECK RE-SUBMITTAL	03-04-12
2	PLAN CHECK RE-SUBMITTAL	04-22-12
13	ASI# 2	02-14-13
16	ASI-002_Rev1	04-26-13
27	ASI-002_Rev2	12/05/13

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER

DRAWN BY	CHECKED BY
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CONSULTANT JOB NO	DATE
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PROJECT TITLE AND ADDRESS

VENTURA COUNTY FIRE TRAINING CENTER

165 DURLEY AVE
CAMARILLO, CA 93010

COUNTY SPEC NUMBER
CP23-02

COUNTY PROJECT NUMBER
P6T18021

COUNTY DWG NO	SHEET	OF 1
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SHEET TITLE

REFERENCE PLAN - THIRD

AND FOURTH FLOOR

AND FOURTH-FLOR PLANS



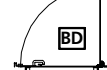

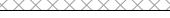


PLANS

SHEET NO _____

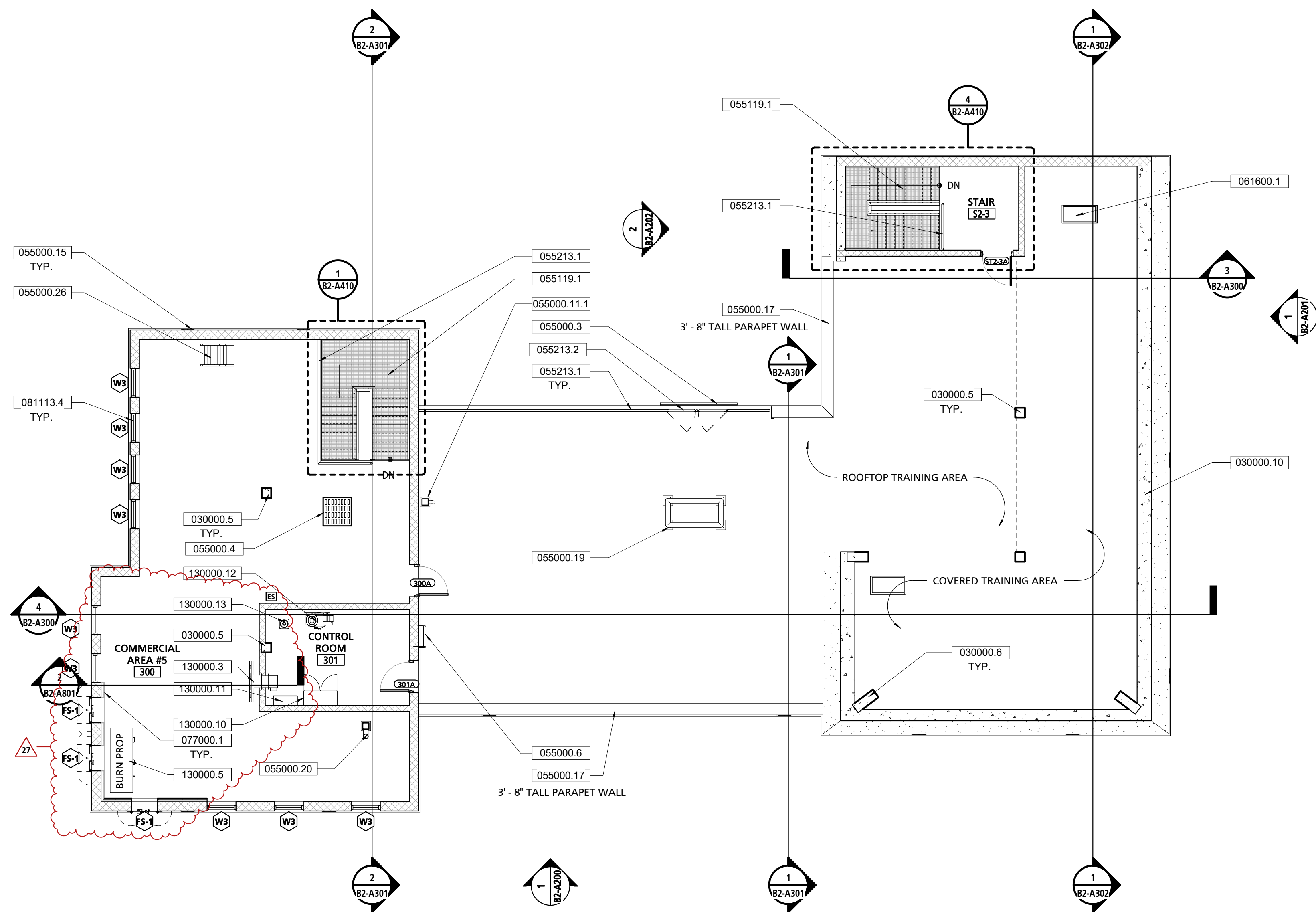
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CO-18 BZ-AT02

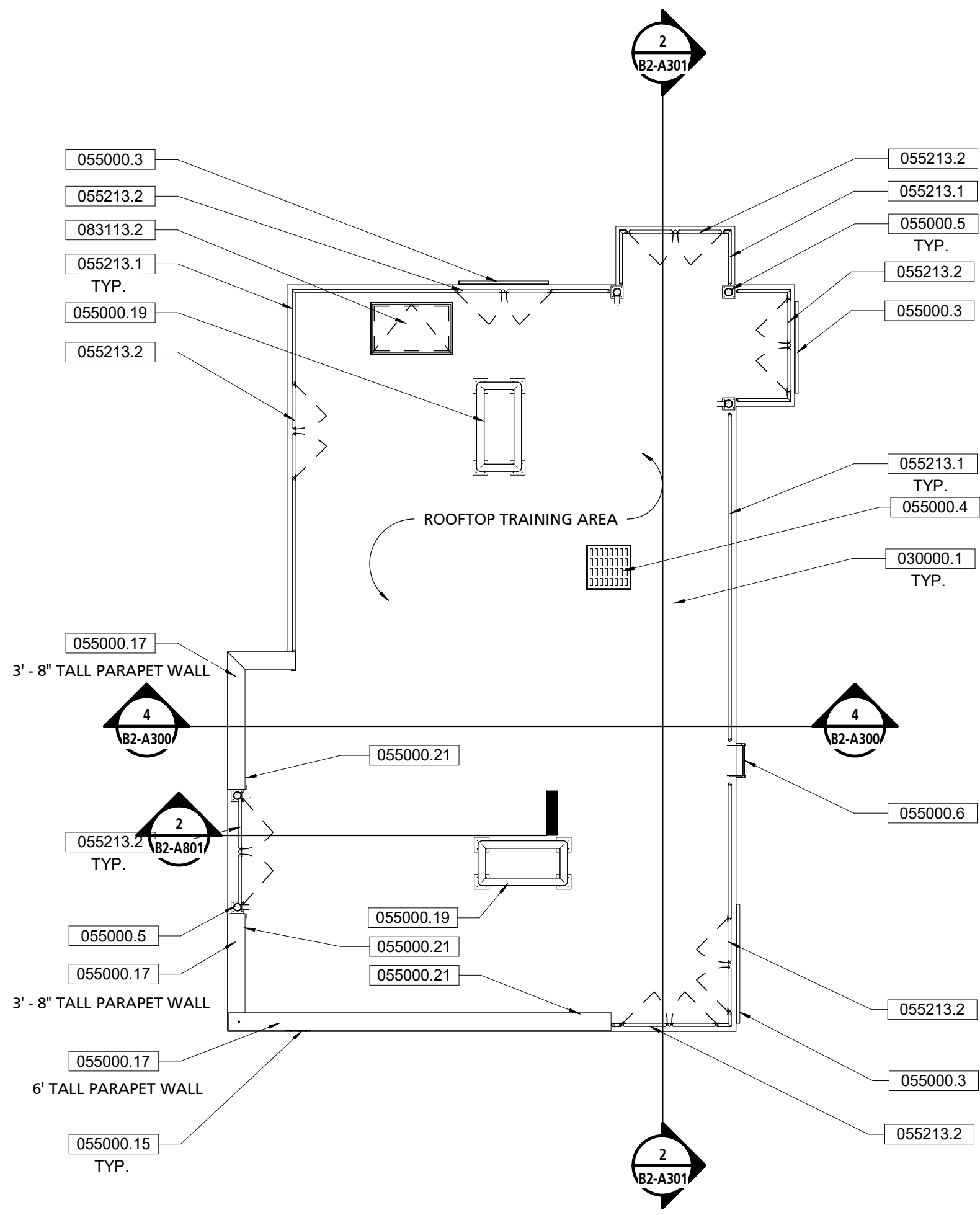
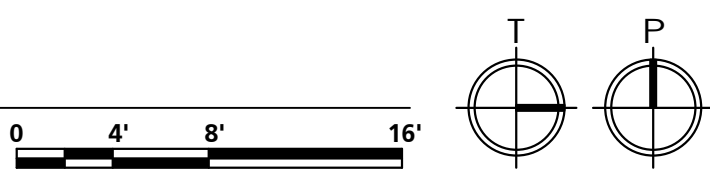
PLAN LEGEND

	HOLLOW METAL DOOR
	FORCIBLE ENTRY DOOR
	BURN ROOM DOOR
	EMERGENCY STOP
	NEW WALL/PARTITION
	THERMAL LINER PANEL SYSTEM
	THERMAL LINER CEILING PANEL

KEY VALUE	KEYNOTE TEXT
030000.1	CONCRETE SLAB, REFER TO STRUCTURAL DWGS
030000.5	CONCRETE COLUMN, REFER TO STRUCTURAL DRAWINGS
030000.6	CONCRETE BEAM, REFER TO STRUCTURAL DRAWINGS
030000.10	SLOPED CONCRETE ROOF SLAB, REFER TO STRUCTURAL DRAWINGS
050000.3	6" DIA. STAINLESS STEEL HALF PIPE.
050000.4	3'-0" X 3'-0" ACCESS HATCH
050000.5	GALVANIZED STEEL HIGH BAR RAPPELLING TIE, METAL LADDER, SEE SHEET A907
050000.11	9'-0" H GALVANIZED SPOUT / WALL RAPPELLING TIE-OFFS, REFER TO STRUCTURAL DWGS
050000.15	WALL SCUPPER; SEE DETAIL 8/A902
050000.17	GALVANIZED STEEL BENT PLATE TIE-OFF
050000.19	INCL. 4" STEEL HIGH BAR TIE-OFF, REFER TO STRUCTURAL DWGS
050000.20	GALVANIZED STEEL COLUMN TIE-OFF
050000.21	INCL. 4" STEEL DRAWING DWGS
050000.21	RECESSED GALVANIZED STEEL LADDER; SEE DETAIL 6/A904, TYP.
050000.26	SHIPS LADDER, SEE DETAIL A907
050519.1	GALVANIZED STEEL GRATE STAIR, TYP.
050521.3	2" STD GALVANIZED STEEL 42" H PIPE/RAIL, TYP.
050521.8	2" STD GALVANIZED STEEL GATE, TYP.
051600.1	R/OF CHOP UP PANEL - 2'X4', SEE SHEET A904
070000.1	THERMAL LINING SYSTEM WALL PANELS
080000.11	HOLLOW METAL WINDOW WITH REAR GLASS PANEL, SEE DETAIL A903
080132.3	EXTERIOR STEEL FLOOR ACCESS DOOR AND FRAME (36"x60")
130000.3	LPG FLASHOVER PROP BY TRAINING PROP VENDER WITH 16"X16" WALL OPENING BY CONTRACTOR, COORDINATE OPENING LOCATION FOR HK WALL PLATE WITH THE FIRE PROP VENDER
130000.5	LPG DESK PROP BY TRAINING PROP VENDER
130000.10	CONTROL RACK BY TRAINING PROP VENDER
130000.11	SMOKE GENERATOR BY TRAINING PROP VENDER
130000.12	AIR COMPRESSOR BY TRAINING PROP VENDER
130000.13	AIR DRYER BY TRAINING PROP VENDER



1 THIRD FLOOR REFERENCE PLAN
1/8" = 1'-0"



2 FOURTH FLOOR REFERENCE PLAN
1/8" = 1'-0"





PUBLIC VENTURA COUNTY WORKS

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PROFESSIONAL SEALS

PERMIT APPROVAL STAMP

PERMIT NO		C21-777 & C21-778
NO	REVISION	DATE
	BID SET	08-21-
1	PLAN CHECK RE-SUBMITTAL	03-04-
13	ASI# 2	02-14-
20	RFI #104 / 105	07-26-
21	RFI #112	08-02-
27	ASI-002 Rev2	12/05-
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PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER

DRAWN BY JB CHECKED BY GC
CONSULTANT JOB NO. DATE 08/21/2023

PROJECT TITLE AND ADDRESS

VENTURA COUNTY FIRE TRAINING CENTER

165 DURLEY AVE
CAMARILLO, CA 93010

COUNTY SPEC NUMBER CP23-02

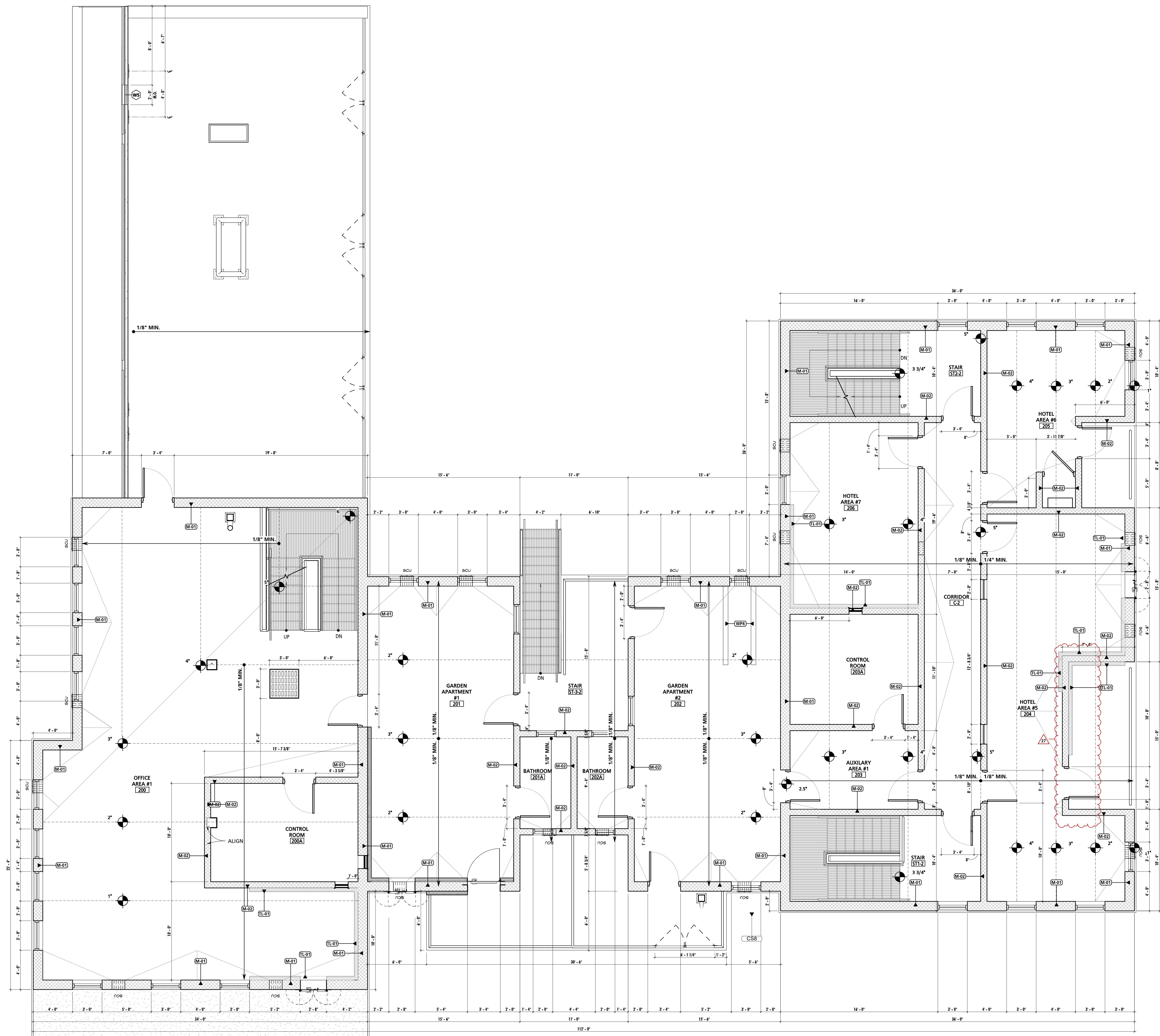
COUNTY PROJECT NUMBER P6T18021

COUNTY DWG NO SHEET of 123

SHEET TITLE
DIMENSION PLAN -
SECOND FLOOR PLAN

SHEET NO
CP23-02
CCO-18
B2-A111

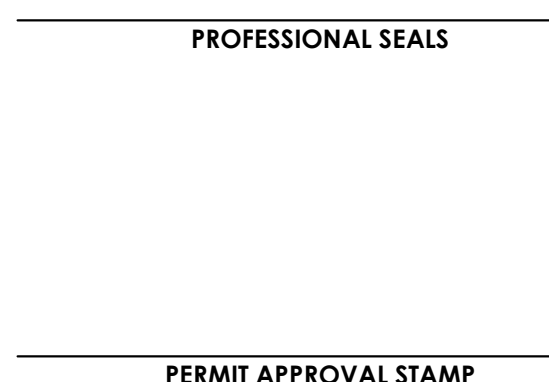
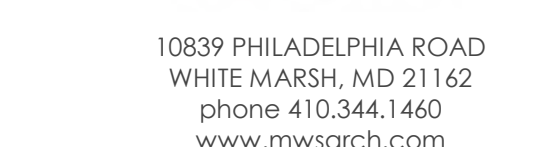
BID ADDENDA 1 / CONFORMED



1 SECOND FLOOR DIMENSION PLAN
1/4" = 1'-0"



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CONSULTANT JOB NO 20-126	DATE 08/21/2023

165 DURLEY AVE
CAMARILLO, CA 93010

COUNTY SPEC NUMBER	
CP23-02	
COUNTY PROJECT NUMBER	
P6T18021	
COUNTY DWG NO	SHEET
	of 123

SHEET TITLE

BUILDING ELEVATIONS

SHEET NO
CP23-02 B2-A200
CCO-18



BID ADDENDA 1 / CONFORMED



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PERMIT APPROVAL STAMP

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER

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CONSULTANT JOB NO	DATE
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PROJECT TITLE AND ADDRESS	
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VENTURA COUNTY

VENTURA COUNTY

FIRE TRAINING

CENTER

165 DURLEY AVE

COUNTY SPEC NUMBER

CP23-02

P6T18021

COUNTY DWG NO	SHEET	OF 1
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SHEET TITLE
BUILDING ELEVATION

SHEET NO _____

CP23-02 | B2-A201

100



KEY VALUE	KEYNOTE TEXT
030000.1	CONCRETE SLAB, REFER TO STRUCTURAL DWGS
030000.5	CONCRETE COLUMN, REFER TO STRUCTURAL DRAWINGS
030000.6	CONCRETE BEAM, REFER TO STRUCTURAL DRAWINGS
030000.8	CANTILEVERED CONCRETE SLAB, REFER TO STRUCTURAL DRAWINGS
030000.10	SLOPED CONCRETE ROOF SLAB, REFER TO STRUCTURAL DRAWINGS
050000.3	6" DI. STAINLESS STEEL HALF PIPE
050000.5	GALVANIZED STEEL HIGH BAR RAPPELLING TIE, REFER TO STRUCTURAL DWGS
050000.9	BURN SHUTTER
050000.11.1	9" O H GALVANIZED POST / WALL RAPPELLING TIE, REFER TO STRUCTURAL DWGS
050000.12	MOCK ELECTRICAL CABINETS, SEE SHEET A904
050000.13	MOCK WALL CABINET, SEE SHEET A904
050000.15	WALL SCUPPER, SEE DETAIL 8/A902
050000.17	GALVANIZED STEEL BENT PLATE COPING
050000.18	GALVANIZED STEEL WALL TIE-OFF, REFER TO STRUCTURAL DWGS
050000.19	MOCK R.T.U. RAPPELLING TIE, REFER TO STRUCTURAL DWGS
050000.21	RECESSED GALVANIZED STEEL LADDER TIE-OFF, SEE DETAIL 16/A904, TYP.
050000.30	GAS MCK METER, SEE SHEET A904
050000.31	MOCK DISCONNECT SWITCH, PROVIDE 2" EMPTY WALL MOUNTED CONDUIT TO 6" BELOW GRADE, SEE SHEET A904
050511.9	GALVANIZED STEEL GRATE STRAT, TYP.
050521.13	2" STD GALVANIZED STEEL 42" H PIPERAIL, TYP.
050521.32	2" STD GALVANIZED STEEL GATE, TYP.
061600.1	ROOF CHOP OFF PANEL, 2'x4', SEE SHEET A904
070700.1	THERMAL LINING SYSTEM WALL PANELS
081113.1	HOLLOW METAL DOOR & FRAME
081113.4	HOLLOW METAL WALL WITH REMOVABLE PANEL, SEE SHEET A903
090600.2	6" FLOOR LEVEL STENCIL
107523.1	WALL MOUNTED WINDSCOKE
130000.14	16'X16" WALL OPENING BY CONTRACTOR, EXHAUST BY FIRE PROP VENDOR
265100.1	LIGHTING, REFER TO ELECTRICAL DWGS
321319.2	METAL SWINGING PERSON GATE

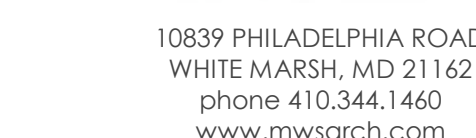
BID ADDENDA 1 / CONFORMED

SHEET NO
CP23-02
CCO-18

B2-A201



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PERMIT APPROVAL STAMP

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER

CONSULTANT PROJECT MANAGER

DRAWN BY	JB	CHECKED BY	GC
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CONSULTANT JOB NO 20-126	DATE 08/21/2023
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PROJECT TITLE AND ADDRESS	
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**VENTURA COUNTY
FIRE TRAINING
CENTER**

165 DURLEY AVE
CAMARILLO, CA 93010

COUNTY SPEC NUMBER
CP23-02

COUNTY PROJECT NUMBER
P6T18021

COUNTY DWG NO		SHEET	OF 123
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SHEET TITLE
BUILDING ELEVATIONS

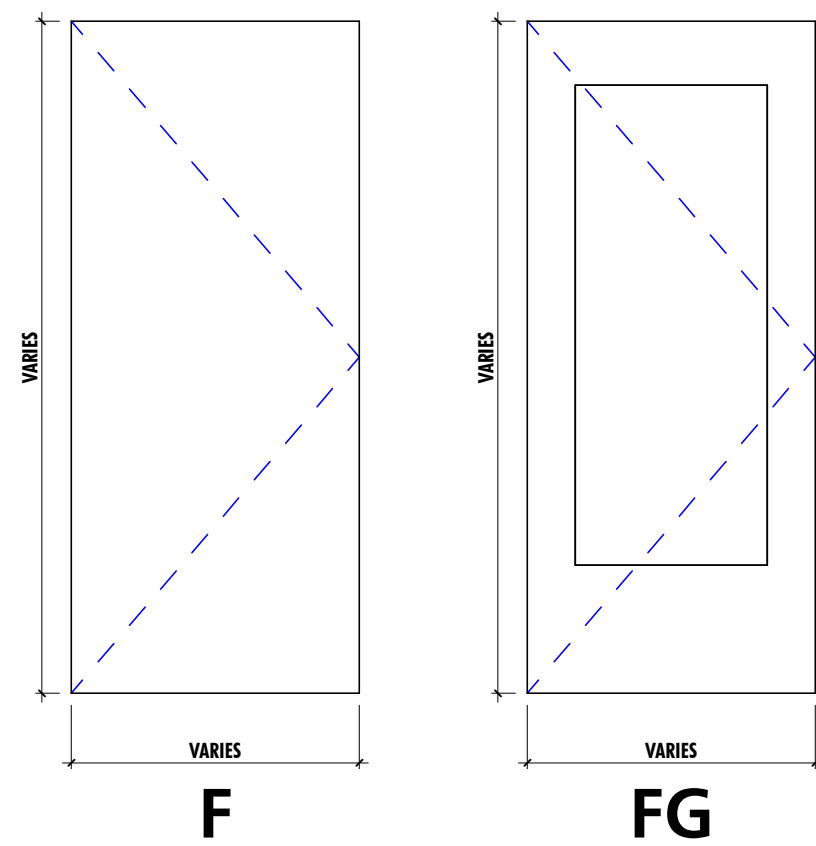
SHEET NO
CP23-02
CCO-18

B2-A202

KEY VALUE	KEYNOTE TEXT
030000.1	CONCRETE SLAB, REFER TO STRUCTURAL DWGS
030000.6	CONCRETE BEAM, REFER TO STRUCTURAL DRAWINGS
030000.9	CAST SLAB EDGE
030000.10	SLOPED CONCRETE ROOF SLAB, REFER TO STRUCTURAL DRAWINGS
050000.3	Ø 12" DI GALVANIZED STEEL, HALF PIPE
050000.5	GALVANIZED STEEL, HIGH BAR RAPPRELLING TIE OFF, REFER TO STRUCTURAL DWGS
050000.8	BURN DOOR
050000.12	MCKCK ELECTRICAL CABBINETS; SEE SHEET A904
050000.13	MCKCK VALVE CABINET; SEE SHEET A904
050000.15	WALL SCUPPER; SEE DETAIL A/8002
050000.17	GALVANIZED STEEL, RENT PLATE COPING
050000.19	MCKCK R/T RAPPRELLING TIE OFF, REFER TO STRUCTURAL DWGS
050000.21	RECESSED GALVANIZED STEEL LADDER
050000.22	SEE DETAIL A/8004, TYP
050000.29	MCKCK ELECTRICAL METER (COMMERCIAL) PROVIDE 2" EMPTY WALL MOUNTED CONDUIT TO Ø BELOW GRADE; SEE SHEET A904
050000.30	MCKCK GAS METER; SEE SHEET A904
050000.31	2" STD GALVANIZED STEEL 42" H PIPEWALL, TYP
050000.32	2" STD GALVANIZED STEEL GATE, TYP
081113.1	HOLLOW METAL DOOR & FRAME
081113.3	HOLLOW METAL WINDOW WITH REMOVABLE PANEL; SEE SHEET A903
099600.2	6" FLOOR LEVEL STEP
130000.14	16"x16" WALL OPENING BY CONTRACTOR, EXHAUST FAN BY FIRE PROP VENDOR
265000.2	WALL & CEINGT LIGHT FIXTURE, REFER TO ELECTRICAL DWGS



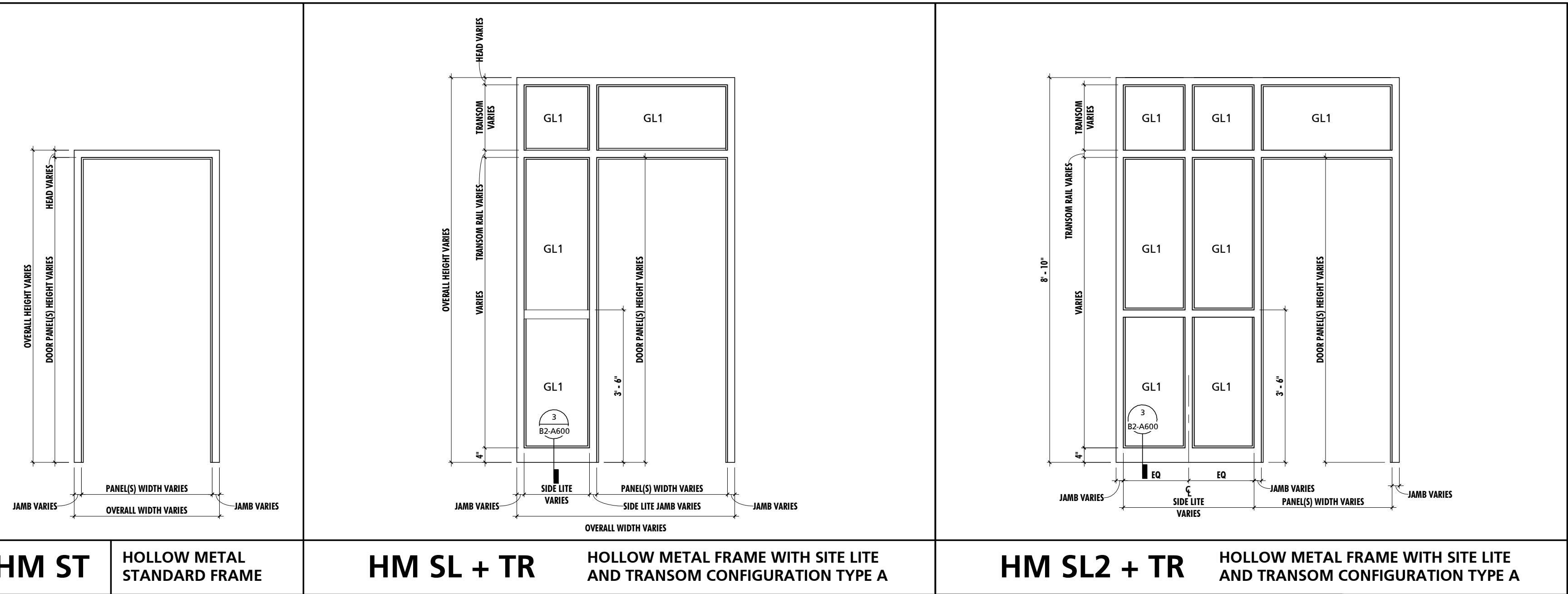
SCHEDULE - DOOR																									
MARK	SIZE	DOOR PANEL			FINISH	FRAME TYPE	SIZE SUMMARY			FRAME			FRAME PROFILE SUMMARY			SIDE LITE		FRAME		GLAZING		DETAILS		HARDWARE SET	COMMENTS
		THICKNESS	MATERIAL				OVERALL HEIGHT	OVERALL WIDTH	DEPTH	THROAT	HEAD	JAMB	MATERIAL	FINISH	THICKNESS	TYPE	HEAD	JAMB							
100A	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL2+TR	8'-5"	9'-0"	5 7/8"	4 7/8"	2"	2"	5'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-3					
100B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3					
100C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
100D	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL2+TR	8'-5"	9'-0"	5 7/8"	4 7/8"	2"	2"	5'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-3					
101A	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL2+TR	8'-5"	9'-0"	5 7/8"	4 7/8"	2"	2"	5'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-3					
101A1	(2) 3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	6'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	DOUBLE ACTING				
101A2	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3					
101B	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL2+TR	8'-5"	9'-0"	5 7/8"	4 7/8"	2"	2"	5'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-3					
101B1	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-2	'NOT FOR TRAINING' PAINTED ON EXTERIOR				
101C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
102A	(2) 3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	6'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-4					
102B	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL2+TR	8'-5"	11'-0"	5 7/8"	4 7/8"	2"	2"	7'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-3					
102C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM SL2+TR	8'-5"	11'-0"	5 7/8"	4 7/8"	2"	2"	7'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-3					
102D	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL2+TR	8'-8"	8'-0"	5 7/8"	4 7/8"	2"	2"	4'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-3					
102E	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL+TR	8'-6"	8'-0"	5 7/8"	4 7/8"	2"	2"	1'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-4					
102F	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL+TR	8'-8"	7'-8"	5 7/8"	4 7/8"	2"	2"	1'-2"	HM STL	HPC	1"	GL1	H3	J3	B2-4					
103A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3					
103B	FORCIBLE ENTRY DOOR																					FORCIBLE ENTRY DOOR			
104A	FORCIBLE ENTRY DOOR																					FORCIBLE ENTRY DOOR			
104B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
104C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
105A	(2) 3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	6'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-1	'NOT FOR TRAINING' PAINTED ON EXTERIOR				
106A	BURN DOOR																					BURN DOOR			
107A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
107B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
107C	2'-6" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	2'-10"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-2	'NOT FOR TRAINING' PAINTED ON EXTERIOR				
108A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
110A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3					
111A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
200A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3					
200A1	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-2	'NOT FOR TRAINING' PAINTED ON EXTERIOR				
200B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
201A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
201B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
201C	BURN DOOR																					BURN DOOR			
202A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
202B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
202C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3					
203A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
203A1	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-2	'NOT FOR TRAINING' PAINTED ON EXTERIOR				
203B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
204A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
204B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3					
204C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3					
205A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
205B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
205C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-2	'NOT FOR TRAINING' PAINTED ON EXTERIOR				
206A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5					
300A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3					
301A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-2	'NOT FOR TRAINING' PAINTED ON EXTERIOR				
ST11-A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3					
ST11-B	FORCIBLE ENTRY DOOR																					FORCIBLE ENTRY DOOR			
ST11-2A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3					
ST2-1A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3					
ST2-1B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3					
ST2-2A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3					
ST2-3A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3					



- SEE DOOR SCHEDULE FOR ACTUAL PANEL DIMENSIONS.
- NOT ALL PANEL TYPES MAY BE USED IN THIS PROJECT. SEE DOOR SCHEDULE.
- DIMENSIONS FOR GLAZING INDICATED SHALL CONSTITUTE THE FULL GLAZING WIDTH.

DOOR PANEL TYPES

1/2" = 1'-0"



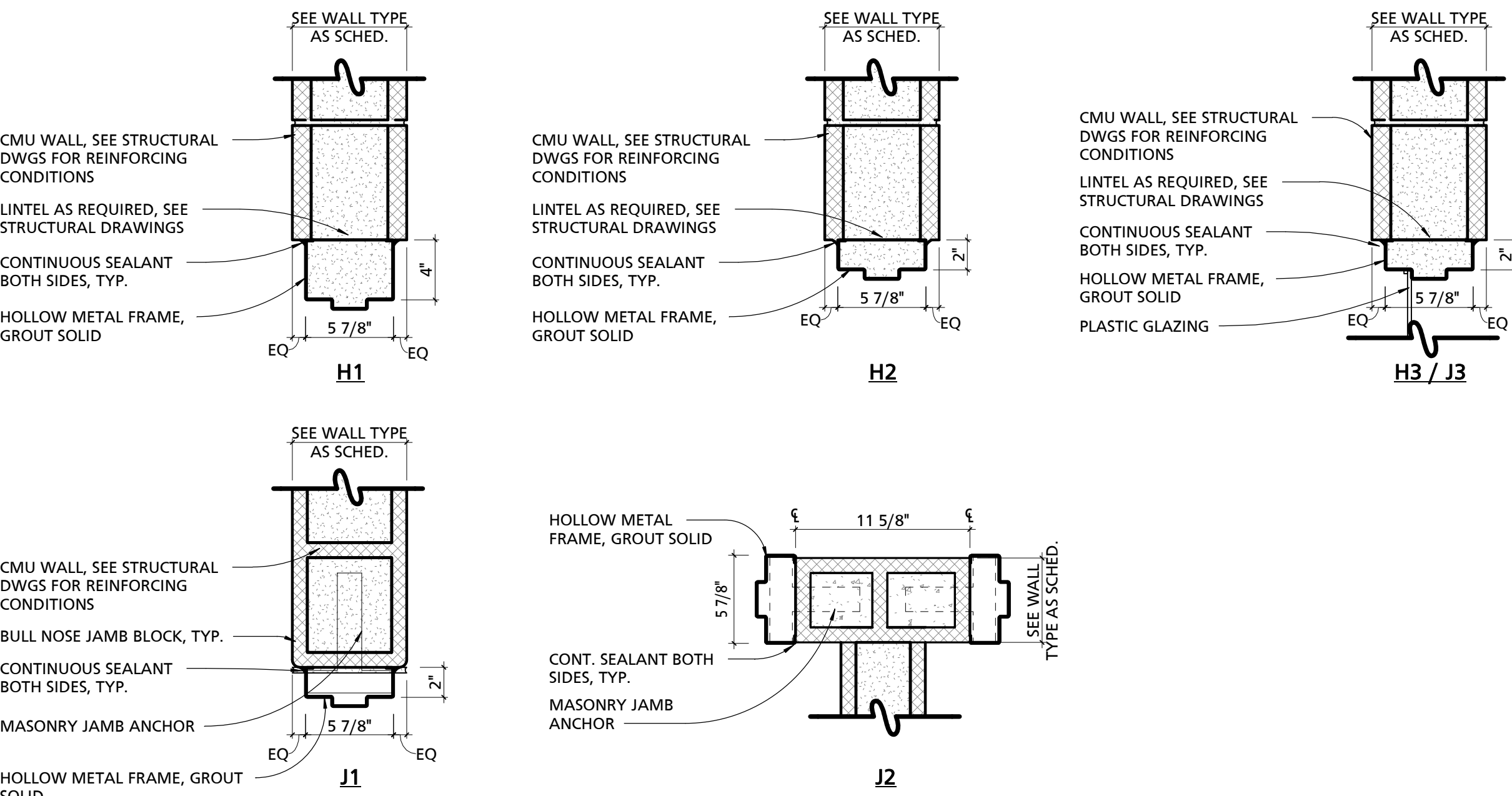
- SEE DOOR SCHEDULE FOR FRAME DIMENSION VARIABLES

FRAME TYPES

1/2" = 1'-0"

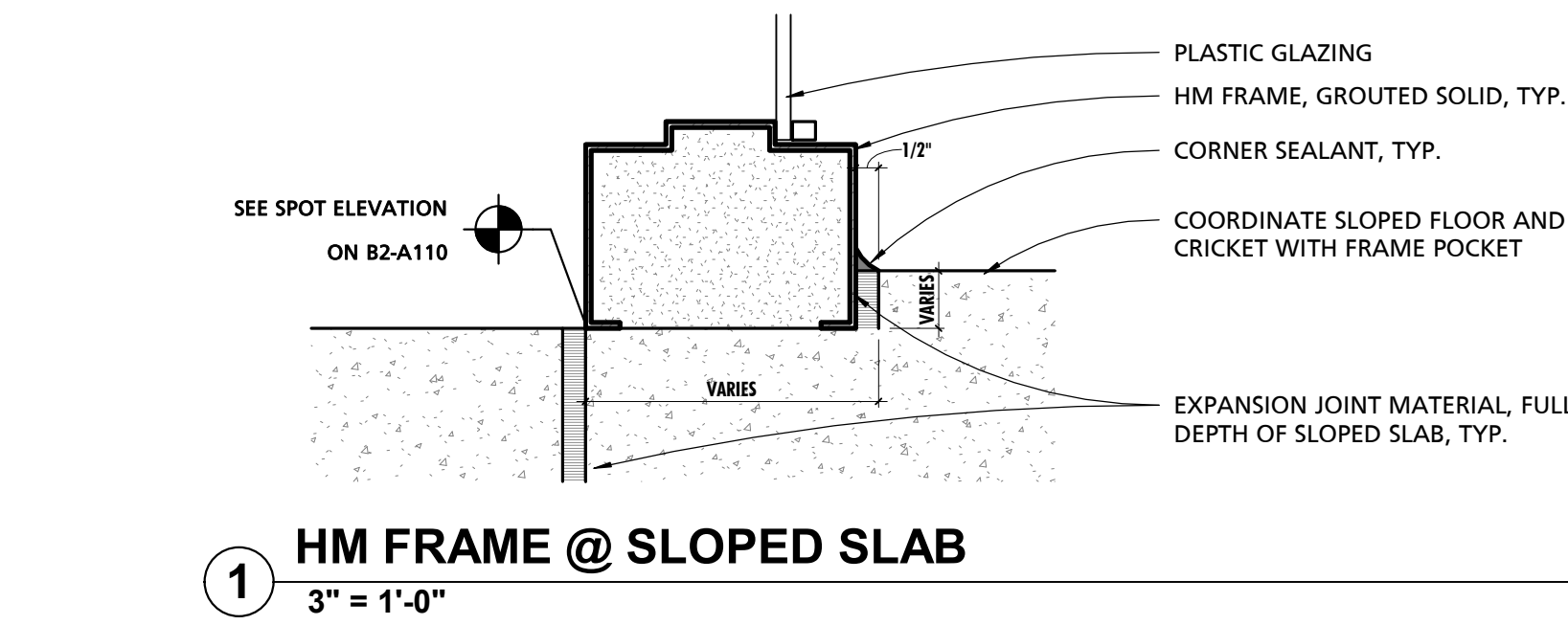
HOLLOW METAL DOOR DETAILS

1 1/2" = 1'-0"



WINDOW TYPES

1/2" = 1'-0"



HW SET #	QTY	ITEM	DESCRIPTION	COMMENTS
INTERIOR - DOUBLE (CONTROL ROOM)				
Doors: 105A				
Set B2-1	8	HINGE	NON-REMOVABLE PIN (NRP)	4 HINGE PER DOOR PANEL
	1	MORTISE LOCKSET (ACTIVE LEAF)	SCHLAGE L SERIES / CLASSROOM FUNCTION	
	2	FLUSH BOLT (INACTIVE LEAF)		1 @ HEAD, 1 @ FLOOR
	2	SURFACE CLOSERS	HOLD OPEN & OVERHEAD STOP	
	1	THRESHOLD		
NOTE: ACTIVE LEAF TO HAVE FULL HEIGHT ASTRAHAL. INACTIVE LEAF TO RECEIVE STRIKE FOR MORTISE LOCKET.				

SINGLE (CONTROL ROOM)				
Doors: 101B1, 107C, 200A1, 203A1, 205C, 301A				
Set B2-2	4	HINGE	NON-REMOVABLE PIN (NRP)	
	1	MORTISE LOCKSET	SCHLAGE L SERIES / CLASSROOM FUNCTION	
	1	SURFACE CLOSER	HOLD OPEN & OVERHEAD STOP	
	1	THRESHOLD		
	1	PERIMETER DOOR GASKET		
	1	WALL STOP		DOOR 107C, 2



PUBLIC
VENTURA COUNTY
WORKS
ENGINEERING SERVICES

MARY MCGRATH ARCHITECTS

610 16th STREET, SUITE 219
OAKLAND, CA 94612
phone: 510.208.9400
www.marymcgratharchitects.com

MW
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MASTER PLANNING

10839 PHILADELPHIA ROAD
WHITE MARSH, MD 21162
phone 410.344.1460
www.mwsearch.com



PROFESSIONAL SEALS

PERMIT APPROVAL STAMP

PERMIT NO C21-777 & C21-778		
NO	REVISION	DATE
13	BID SET	08-21-2023
14	ASI-002 Rev1	02-14-2024
20	RFI #104 / 105	04-24-2024
26	RFI #184	07-24-2024
27	ASI-002 Rev2	11/27/2024
		12/05/2024

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER

DRAWN BY JB CHECKED BY GC

CONSULTANT JOB NO 20-126 DATE 08/21/2023

PROJECT TITLE AND ADDRESS

VENTURA COUNTY
FIRE TRAINING
CENTER

165 DURLEY AVE
CAMARILLO, CA 93010

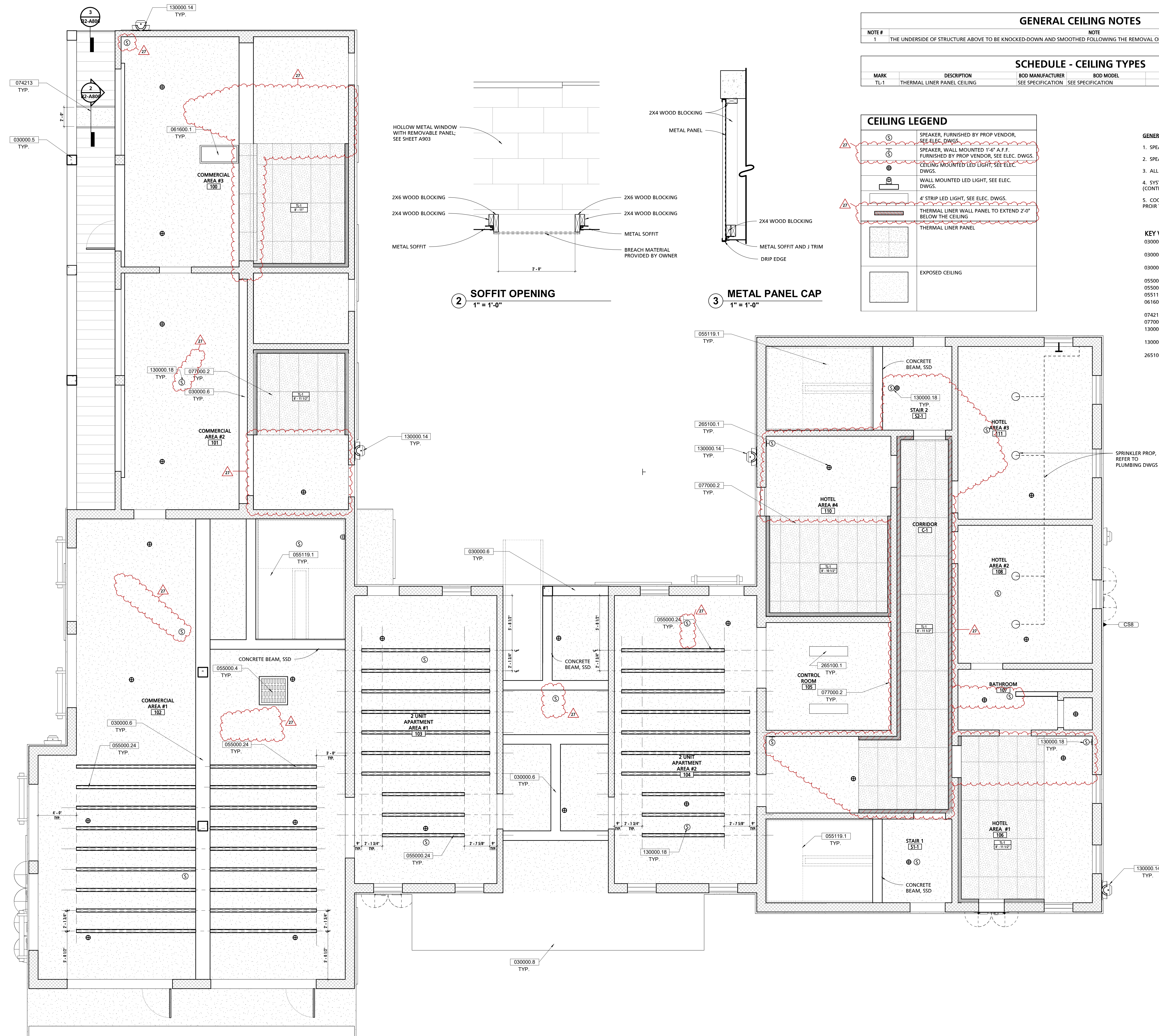
COUNTY SPEC NUMBER
CP23-02

COUNTY PROJECT NUMBER
P6T18021

COUNTY DWG NO SHEET of 123







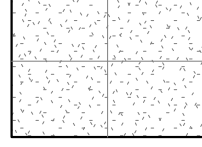
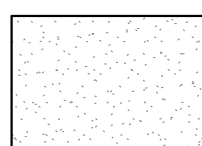
SHEET TITLE
REFLECTED CEILING PLAN
- FIRST FLOOR PLAN

SHEET NO
CP23-02
CCO-18 B2-A800



GENERAL CEILING NOTES			
NOTE #	DESCRIPTION	NOTE	
1	THE UNDERSIDE OF STRUCTURE ABOVE TO BE KNOCKED-DOWN AND SMOOTHED FOLLOWING THE REMOVAL OF FORMS.		

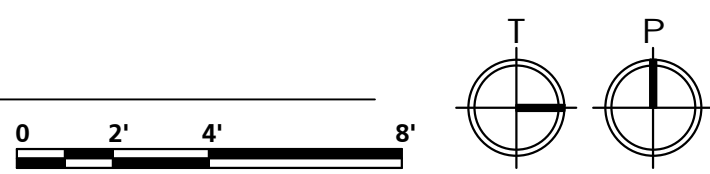
SCHEDULE - CEILING TYPES			
MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL
TL-1	THERMAL LINER PANEL CEILING	SEE SPECIFICATION	SEE SPECIFICATION

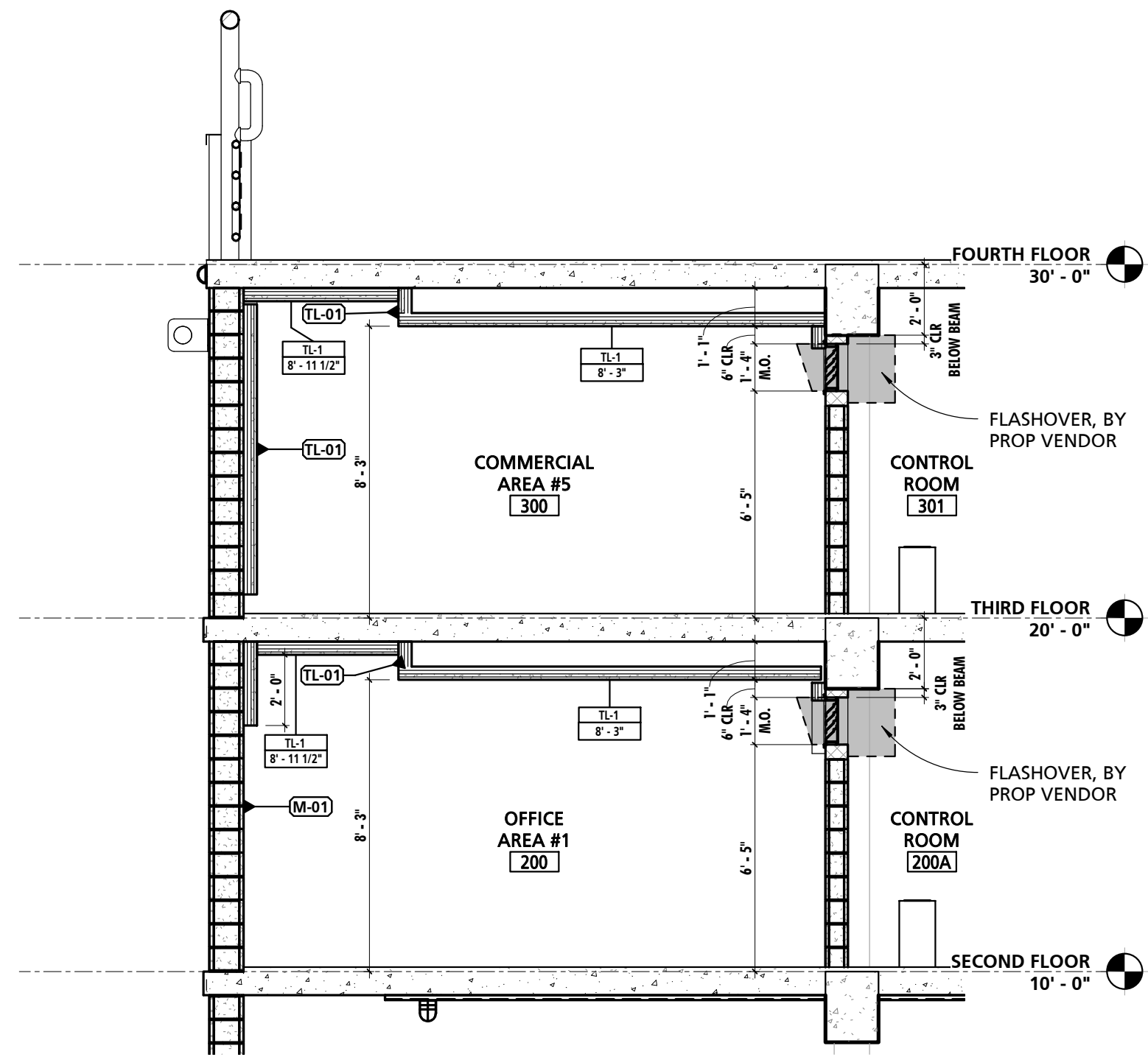
CEILING LEGEND	
	SPEAKER, FURNISHED BY PROP VENDOR, SEE ELEC. DWGS.
	SPEAKER, WALL MOUNTED 1'-6" A.E.F. FURNISHED BY PROP VENDOR, SEE ELEC. DWGS.
	CEILING MOUNTED LED LIGHT, SEE ELEC. DWGS.
	WALL MOUNTED LED LIGHT, SEE ELEC. DWGS.
	4" STRIP LED LIGHT, SEE ELEC. DWGS.
	THERMAL LINER WALL PANEL TO EXTEND 2'-0" BELOW THE CEILING
	THERMAL LINER PANEL
	EXPOSED CEILING

- GENERAL NOTE:**
1. SPEAKER LOCATION SHALL BE AS INDICATED BY (S).
 2. SPEAKER CABLING DESIGN SHALL BE BY SYSTEM PROVIDER.
 3. ALL CABLING SHALL BE WITHIN METAL CONDUIT.
 4. SYSTEM CONTROLS SHALL LOCATED WITHIN ROOM 105 (CONTROL ROOM).
 5. COORDINATE FINAL SPEAKER LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

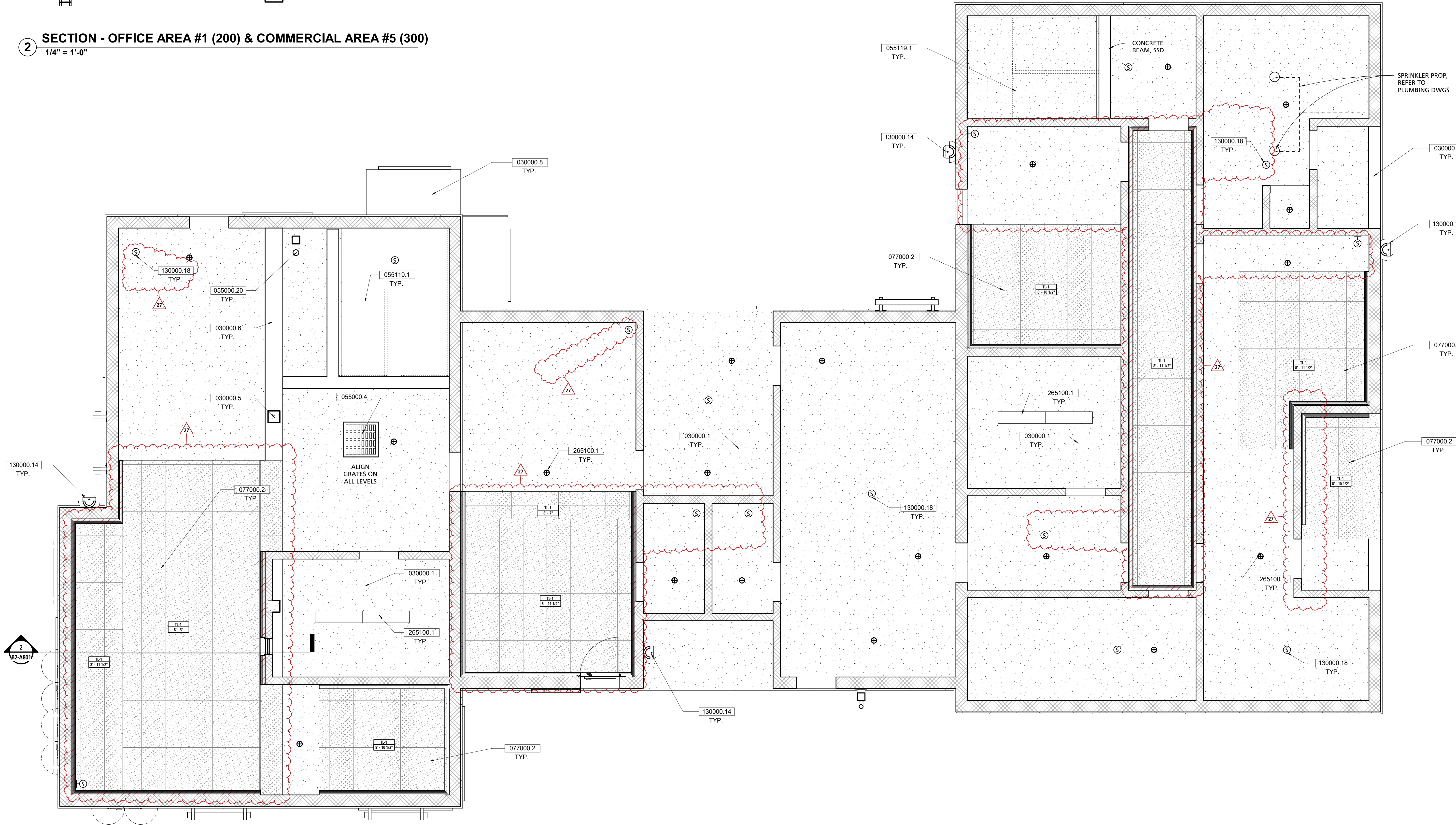
KEY VALUE	KEYNOTE TEXT
030000.5	CONCRETE COLUMN, REFER TO STRUCTURAL DRAWINGS
030000.6	CONCRETE BEAM, REFER TO STRUCTURAL DRAWINGS
030000.8	CANTILEVERED CONCRETE SLAB, REFER TO STRUCTURAL DRAWINGS
055000.4	3'-0\"/>
055000.24	MAZE PANEL SYSTEM, SEE SHEET A905
055119.1	GALVANIZED STEEL GRATE STAIR, TYP.
061600.1	ROOF CHOP OUT PANEL - 2'X4', SEE SHEET A904
074213	METAL SOFFIT PANELS
077000.2	THERMAL LINING SYSTEM CEILING PANELS
130000.14	16\"/>
130000.18	SPEAKER, FURNISHED BY PROP VENDOR, SEE ELEC. DWGS.
265100.1	LIGHTING, REFER TO ELECTRICAL DWGS

1 FIRST FLOOR REFLECTED CEILING PLAN
1/4\" = 1'-0\"

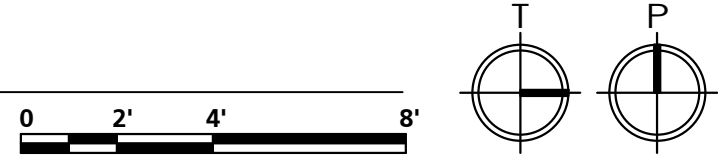




2 SECTION - OFFICE AREA #1 (200) & COMMERCIAL AREA #5 (300)
1/4" = 1'-0"



1 SECOND FLOOR REFLECTED CEILING PLAN
1/4" = 1'-0"



GENERAL CEILING NOTES	
NOTE #	NOTE
1	THE UNDERSIDE OF STRUCTURE ABOVE TO BE KNOCKED-DOWN AND SMOOTHED FOLLOWING THE REMOVAL OF FORMS.

SCHEDULE - CEILING TYPES				
MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL	COMMENTS
TL-1	THERMAL LINER PANEL CEILING	SEE SPECIFICATION	SEE SPECIFICATION	

CEILING LEGEND	
	SPEAKER, FURNISHED BY PROP VENDOR, SEE ELEC DWGS.
	SPEAKER, WALL MOUNTED 1'-6" A.F.F. FURNISHED BY PROP VENDOR, SEE ELEC. DWGS.
	WALL MOUNTED LED LIGHT, SEE ELEC. DWGS.
	4' STRIP LED LIGHT, SEE ELEC. DWGS.
	THERMAL LINER WALL PANEL TO EXTEND 2'-0" BELOW THE CEILING
	THERMAL LINER PANEL
	EXPOSED CEILING

- GENERAL NOTE:**
- SPEAKER LOCATION SHALL BE AS INDICATED BY (S).
 - SPEAKER CABLING DESIGN SHALL BE BY SYSTEM PROVIDER.
 - ALL CABLING SHALL BE WITHIN METAL CONDUIT.
 - SYSTEM CONTROLS SHALL LOCATED WITHIN ROOM 105 (CONTROL ROOM).
 - COORDINATE FINAL SPEAKER LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

KEY VALUE	KEYNOTE TEXT
030000.1	CONCRETE SLAB, REFER TO STRUCTURAL DWGS
030000.5	CONCRETE COLUMN, REFER TO STRUCTURAL DRAWINGS
030000.6	CONCRETE BEAM, REFER TO STRUCTURAL DRAWINGS
030000.8	CANTILEVERED CONCRETE SLAB, REFER TO STRUCTURAL DRAWINGS
055000.4	3'0" X 3'0" ACCESS HATCH
055000.20	GALVANIZED STEEL COLUMN TIE-OFF; REFER TO STRUCTURAL DWGS
055119.1	GALVANIZED STEEL GRATE STAIR, TYP.
077000.2	THERMAL LINING SYSTEM CEILING PANELS
130000.14	16'X16' WALL OPENING BY CONTRACTOR, EXHAUST FAN BY FIRE PROP VENDOR
130000.18	SPEAKER, FURNISHED BY PROP VENDOR, SEE ELEC. DWGS.
265100.1	LIGHTING, REFER TO ELECTRICAL DWGS



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PROFESSIONAL SEALS

PERMIT APPROVAL STAMP

PERMIT NO. C21-777 & C21-778		
NO	REVISION	DATE
13	BID SET	08-21-2023
14	ASI-002_Rev1	02-14-2024
16	ASI-002_Rev1	04-24-2024
26	RFI #184	11/27/2024
27	ASI-002_Rev2	12/05/2024

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER

DRAWN BY JB CHECKED BY GC

CONSULTANT JOB NO. 20-126 DATE 08/21/2023

PROJECT TITLE AND ADDRESS

VENTURA COUNTY
FIRE TRAINING
CENTER

165 DURLEY AVE
CAMARILLO, CA 93010

COUNTY SPEC NUMBER
CP23-02

COUNTY PROJECT NUMBER
P6T18021

COUNTY DWG NO. SHEET 123 OF 123

SHEET TITLE
REFLECTED CEILING PLAN
- SECOND FLOOR PLAN

SHEET NO.
CP23-02
CCO-18
B2-A801



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CONSULTANT JOB NO	20-126	DATE	08/21/2023

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VENTURA COUNTY
FIRE TRAINING
CENTER

165 DURLEY AVE
CAMARILLO, CA 93010

COUNTY SPEC NUMBER
CP23-02
COUNTY PROJECT NUMBER
P6T18021
COUNTY DWG NO
SHEET
of 123

SHEET TITLE
REFLECTED CEILING PLAN
- THIRD FLOOR PLAN

SHEET NO
CP23-02
CCO-18
B2-A802

GENERAL CEILING NOTES

NOTE #	NOTE
1	THE UNDERSIDE OF STRUCTURE ABOVE TO BE KNOCKED-DOWN AND SMOOTHED FOLLOWING THE REMOVAL OF FORMS.

SCHEDULE - CEILING TYPES

MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL	COMMENTS
TL-1	THERMAL LINER PANEL CEILING	SEE SPECIFICATION	SEE SPECIFICATION	

CEILING LEGEND

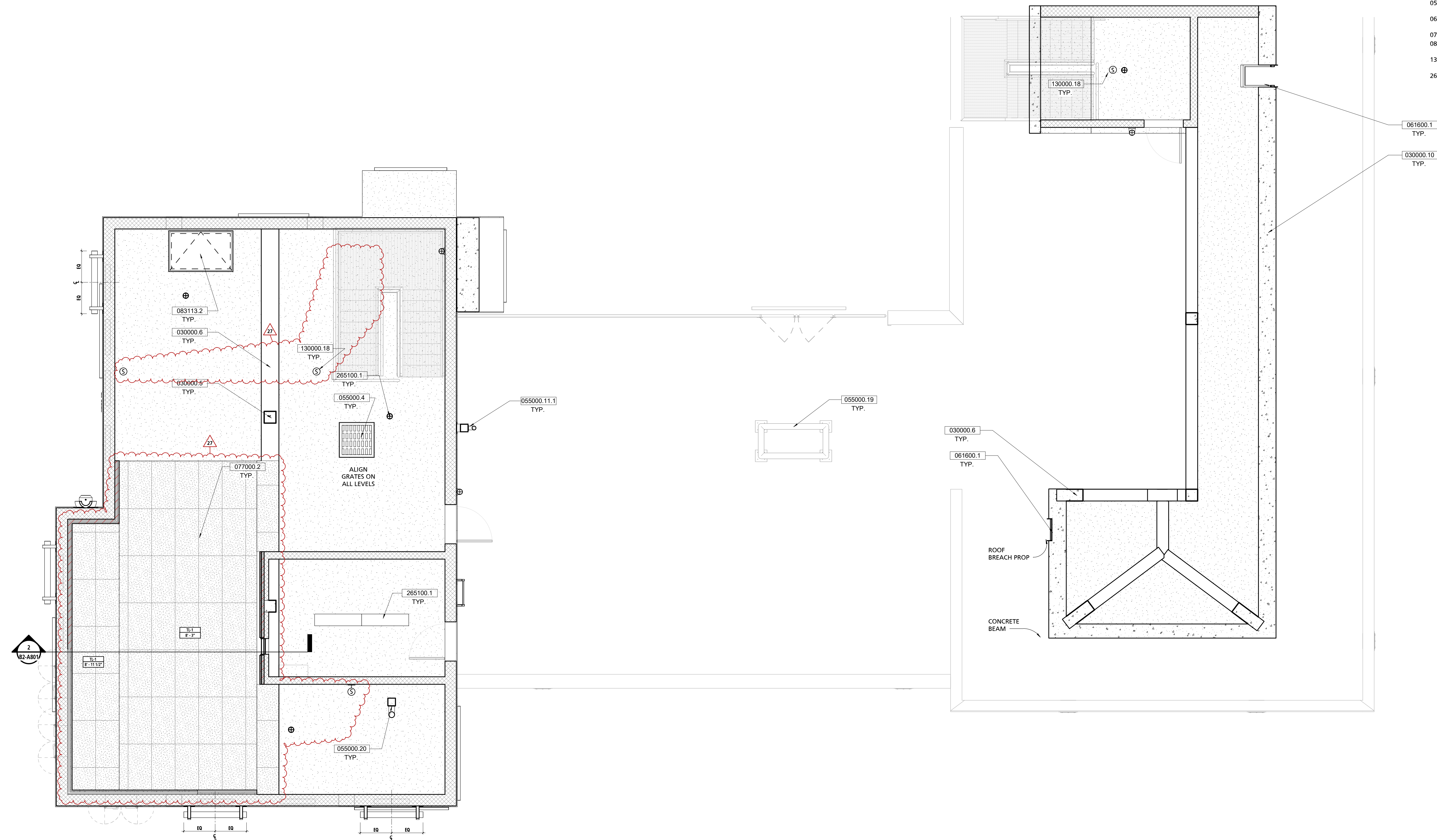
⑤	SPEAKER, FURNISHED BY PROP VENDOR, SEE ELEC. DWGS.
⑥	SPEAKER, WALL MOUNTED 1'-6" A.F.F. FURNISHED BY PROP VENDOR, SEE ELEC. DWGS.
⑧	CEILING MOUNTED LED LIGHT, SEE ELEC. DWGS.
⑨	WALL MOUNTED LED LIGHT, SEE ELEC. DWGS.
⑩	4' STRIP LED LIGHT, SEE ELEC. DWGS.
⑪	THERMAL LINER WALL PANEL TO EXTEND 2'-0" BELOW THE CEILING
⑫	THERMAL LINER PANEL
⑬	EXPOSED CEILING

GENERAL NOTE:

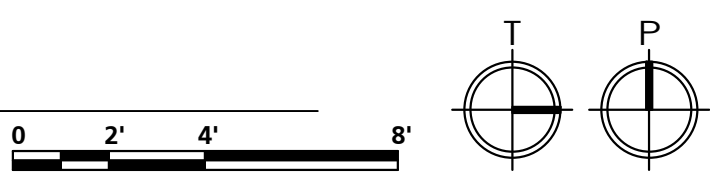
1. SPEAKER LOCATION SHALL BE AS INDICATED BY ⑤
2. SPEAKER CABLING DESIGN SHALL BE BY SYSTEM PROVIDER.
3. ALL CABLING SHALL BE WITHIN METAL CONDUIT.
4. SYSTEM CONTROLS SHALL LOCATED WITHIN ROOM 105 (CONTROL ROOM).
5. COORDINATE FINAL SPEAKER LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

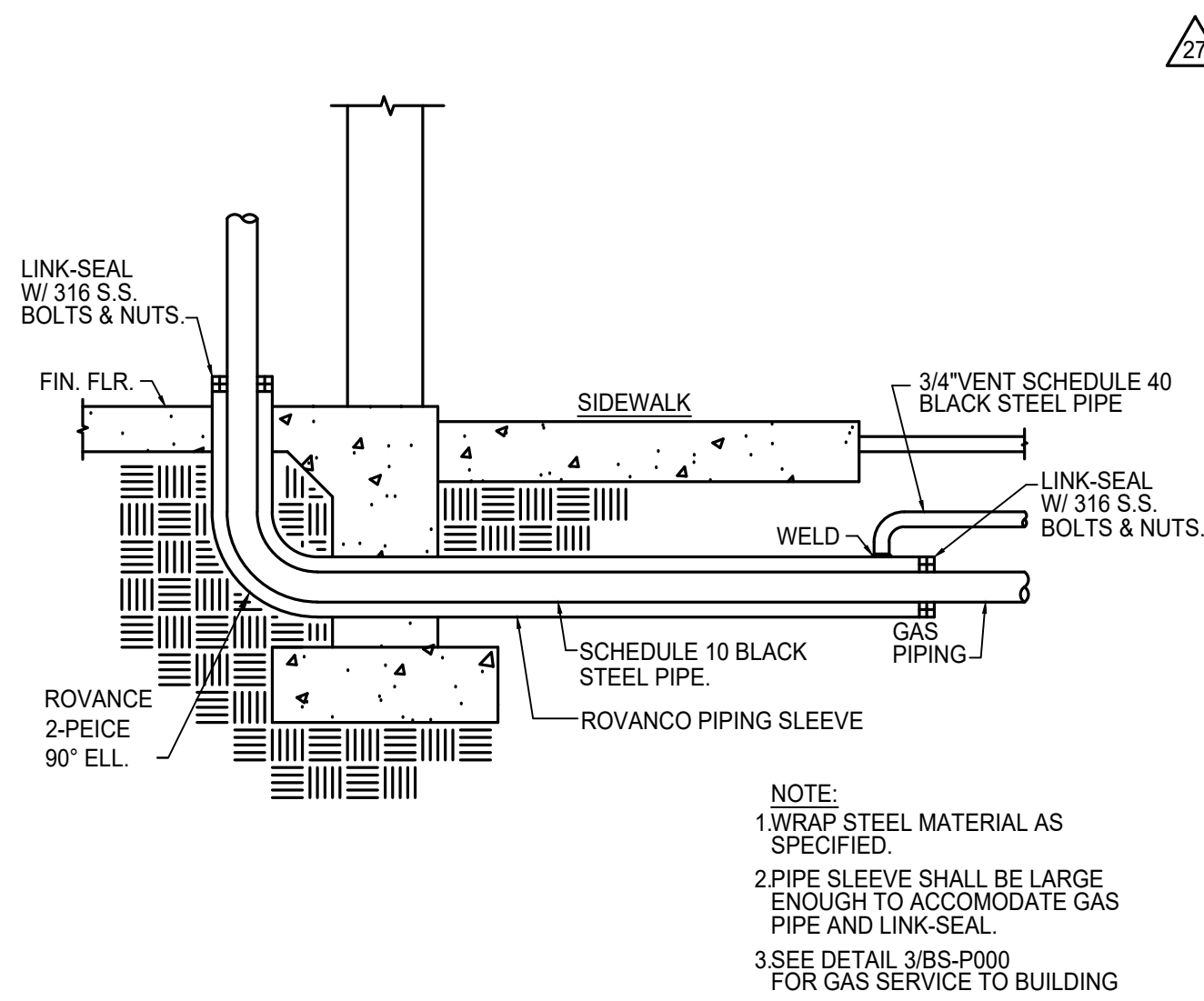
KEY VALUE

KEYNOTE TEXT
030000.5 CONCRETE COLUMN, REFER TO STRUCTURAL DRAWINGS
030000.6 CONCRETE BEAM, REFER TO STRUCTURAL DRAWINGS
030000.10 SLOPED CONCRETE ROOF SLAB, REFER TO STRUCTURAL DRAWINGS
055000.4 3'-0" X 3'-0" ACCESS HATCH
055000.11.1 9'-0" H GALVANIZED POST / WALL RAPPELLING TIE-OFFS, REFER TO STRUCTURAL DWGS
055000.19 MOCK R.T.U. RAPPELLING TIE-OFF, REFER TO STRUCTURAL DWGS
055000.20 GALVANIZED STEEL COLUMN TIE-OFF, REFER TO STRUCTURAL DWGS
061600.1 ROOF CHOP OUT PANEL - 2'X4', SEE SHEET A904
077000.2 THERMAL LINING SYSTEM CEILING PANELS
083113.2 EXTERIOR STEEL FLOOR ACCESS DOOR AND FRAME (36"X60")
130000.18 SPEAKER, FURNISHED BY PROP VENDOR, SEE ELEC. DWGS.
265100.1 LIGHTING, REFER TO ELECTRICAL DWGS

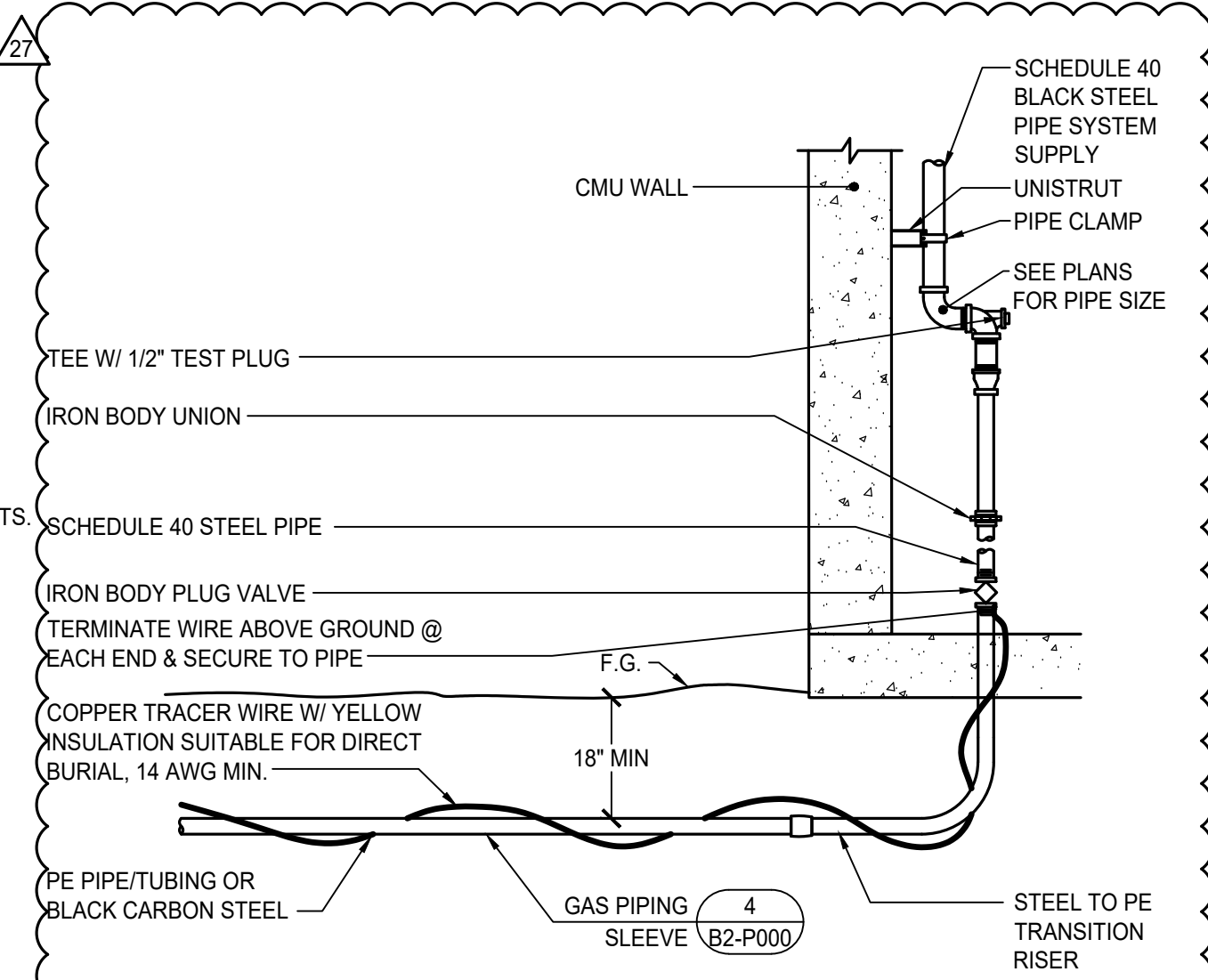


1 THIRD FLOOR REFLECTED CEILING PLAN
1/4" = 1'-0"

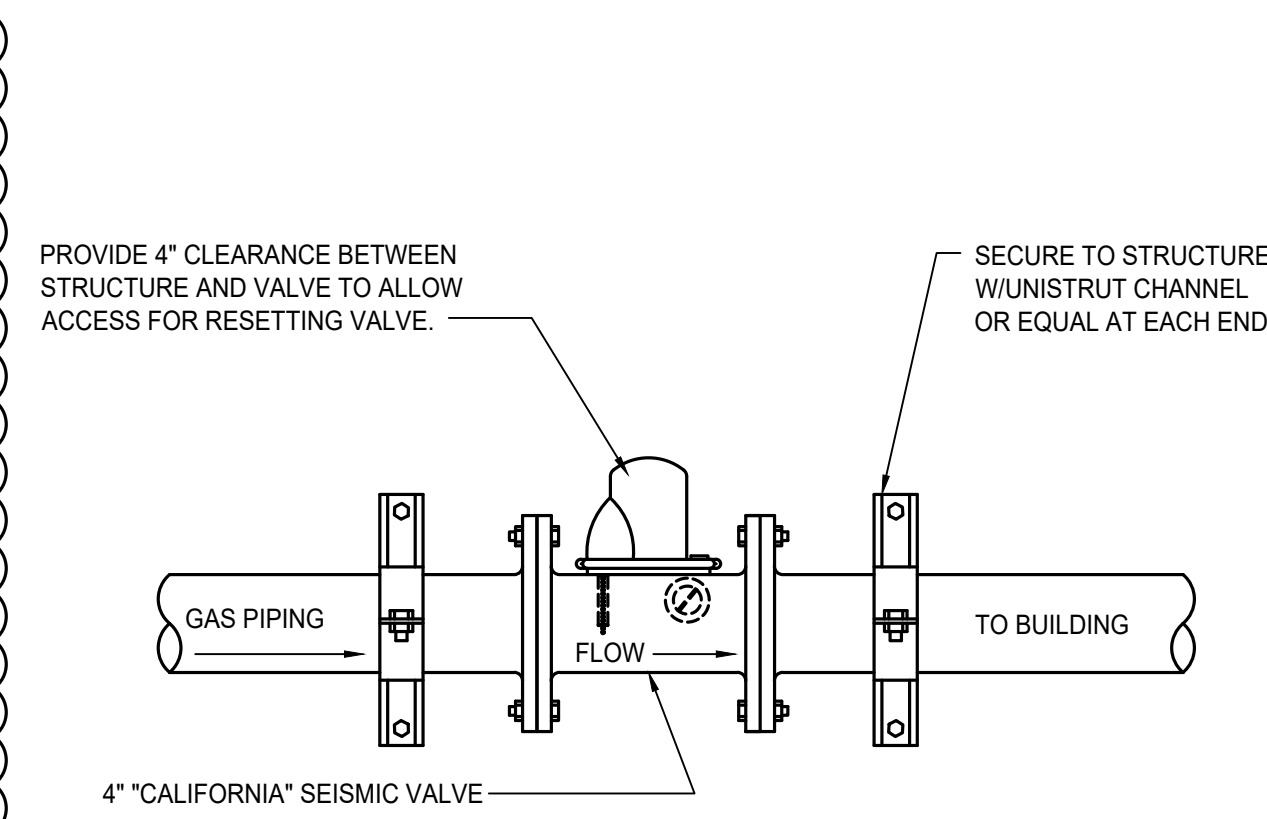




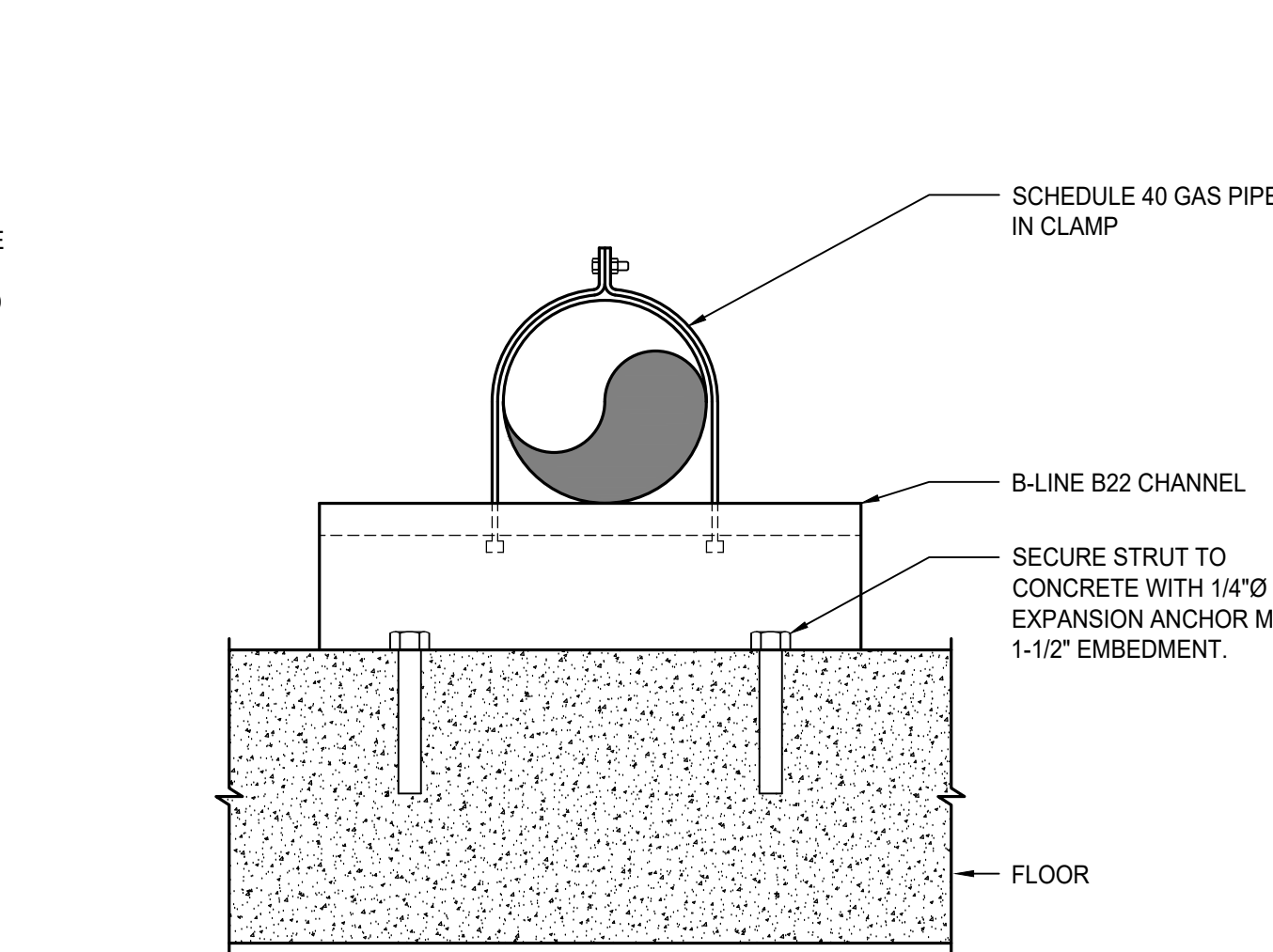
4 GAS PIPING SLEEVE
NTS



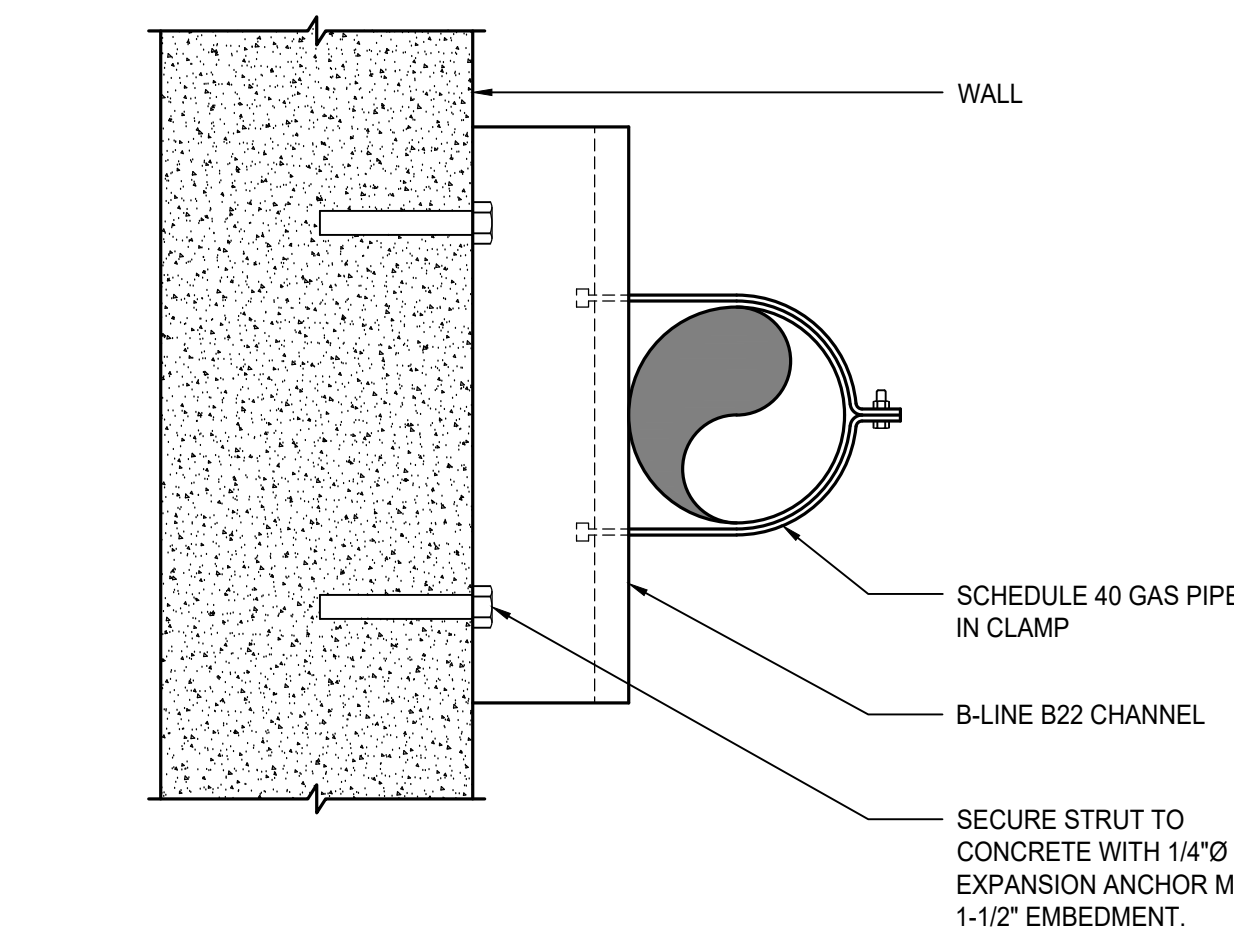
3 GAS SERVICE TO BUILDING
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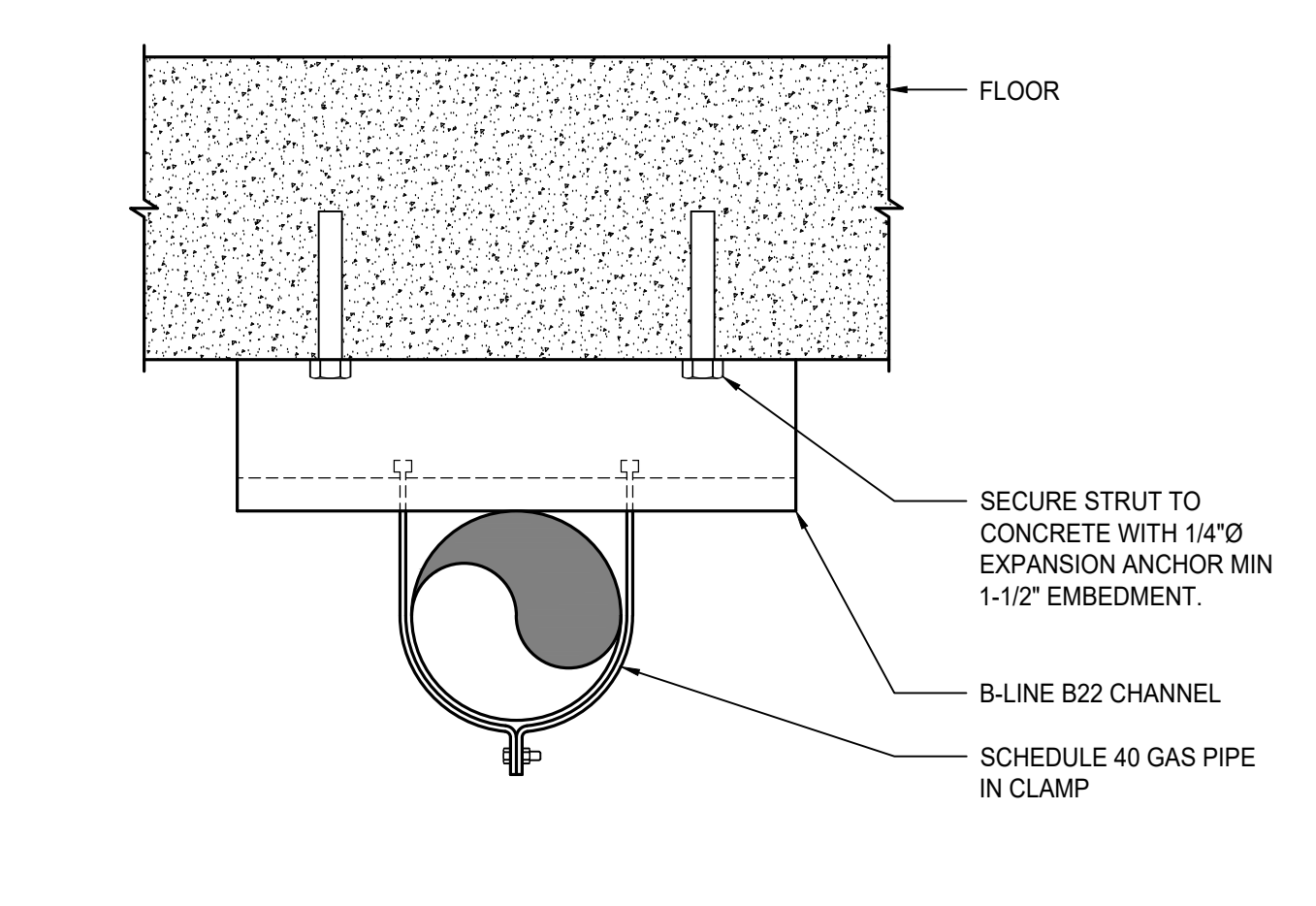
2 SEISMIC SHUT OFF VALVE
NTS



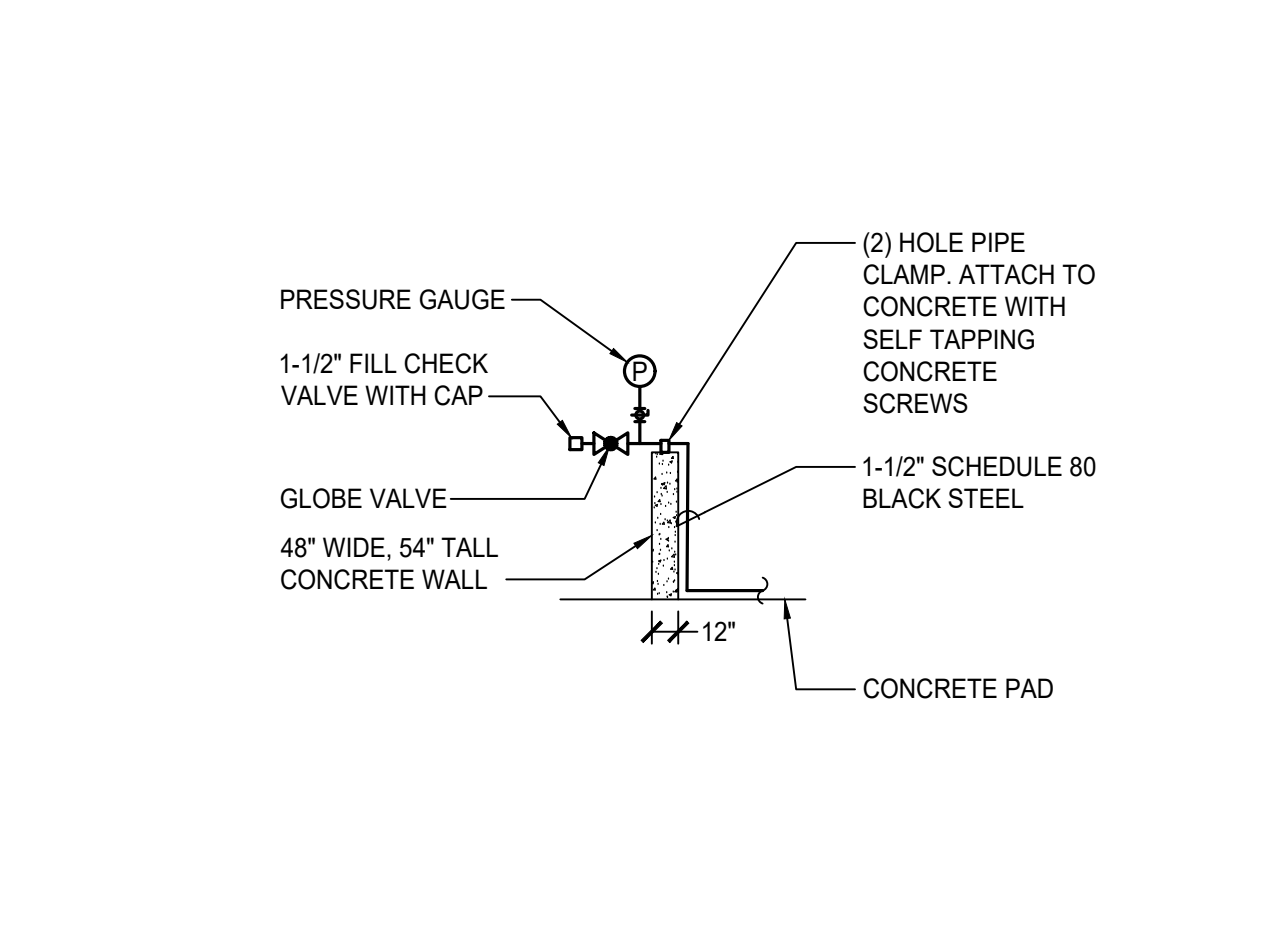
1 PIPE SUPPORT - FLOOR
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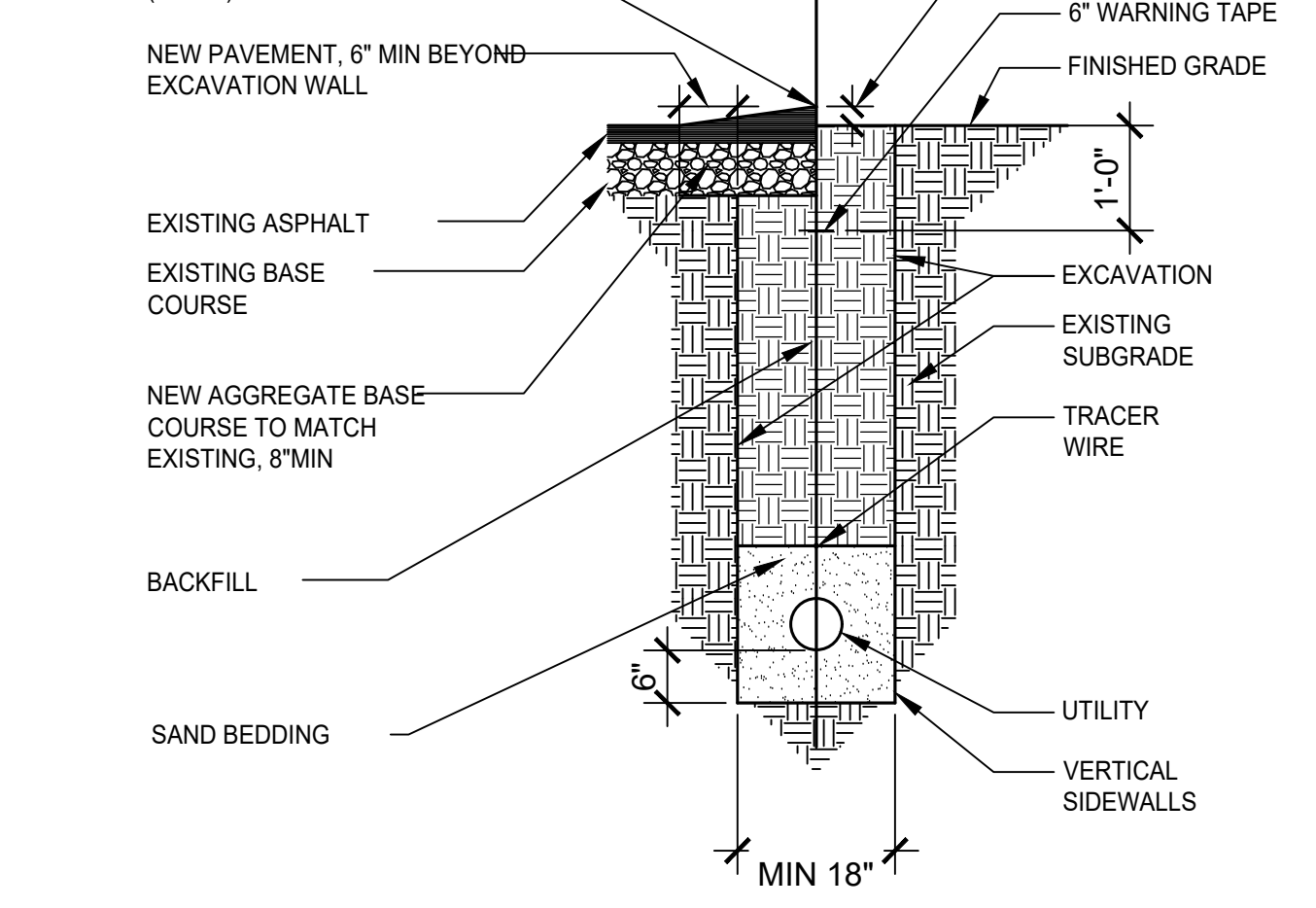
8 PIPE SUPPORT - WALL
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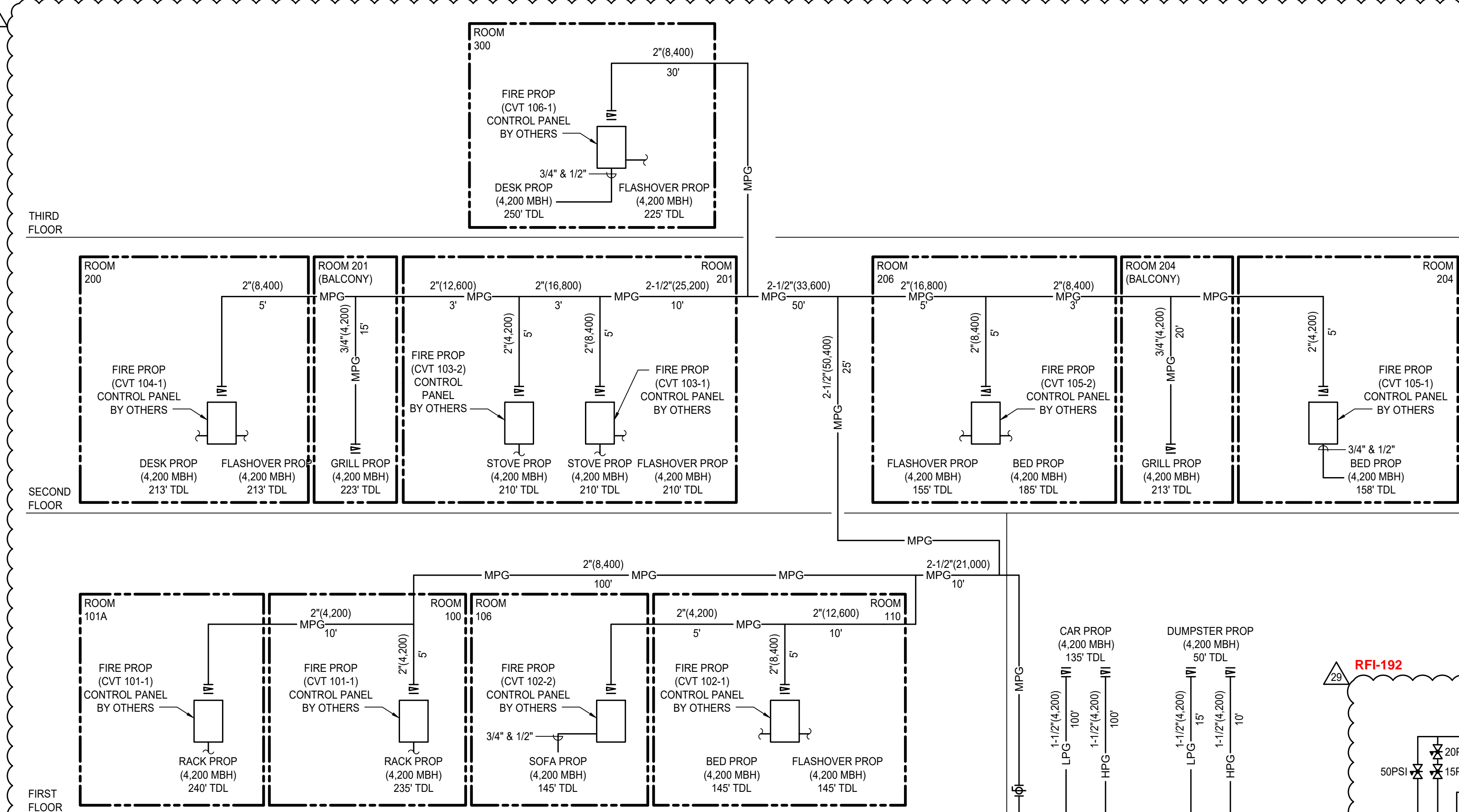
7 PIPE SUPPORT - CEILING
NTS



6 PROPANE GAS FILL STATION
NTS



5 PIPING IN TRENCH
NTS



A GAS DIAGRAM

MEDIUM PRESSURE PROPANE (MPG) SIZING (VAPOR)				
SYSTEM	QUANTITY	MBH	MBH	
FLASHOVER	5	4200	21000	
SOFA PROP	1	4200	4200	
BED PROP	3	4200	12600	
GRILL PROP	2	4200	8400	
RACK PROP	2	4200	8400	
STOVE PROP	2	4200	8400	
DESK PROP	2	4200	8400	
TOTAL			71400	
FUEL TYPE			VAPOR PROPANE	
DISTANCE FROM REGULATOR TO FURTHEST APPLIANCE (FT)			250	
INLET PRESSURE (PSI)			15	
PRESSURE DROP (PSI)			1	
PIPE SIZE REQUIRED (INCHES)			3	

HIGH PRESSURE PROPANE (HPG) SIZING (VAPOR)				
SYSTEM	QUANTITY	MBH	MBH	
DUMPSTER PROP	1	4200	4200	
CAR PROP	1	4200	4200	
TOTAL			8400	
FUEL TYPE			VAPOR PROPANE	
DISTANCE FROM REGULATOR TO FURTHEST APPLIANCE (FT)			135	
INLET PRESSURE (PSI)			50	
PRESSURE DROP (PSI)			3	
PIPE SIZE REQUIRED (INCHES)			2	

ELEVATED LIQUID PROPANE (LPG) SIZING				
SYSTEM	QUANTITY	MBH	MBH	
CAR PROP	1	4200	4200	
DUMPSTER PROP	1	4200	4200	
TOTAL			8400	
FUEL TYPE			LIQUID PROPANE	
DISTANCE FROM REGULATOR TO FURTHEST APPLIANCE (FT)			135	
INLET PRESSURE (PSI)			30	
PRESSURE DROP (PSI)			3	
PIPE SIZE REQUIRED (INCHES)			2	

- ### PLUMBING GENERAL NOTES
- COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING CODES:
2019 CALIFORNIA ADMINISTRATIVE CODE (CAC); PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
2019 CALIFORNIA BUILDING CODE (CBC); PART 2, TITLE 24 CCR
2019 CALIFORNIA ELECTRICAL CODE (CEC); PART 3, TITLE 24 CCR
2019 CALIFORNIA MECHANICAL CODE (CMC); PART 4, TITLE 24 CCR
2019 CALIFORNIA PLUMBING CODE (CPC); PART 5, TITLE 24 CCR
2019 CALIFORNIA ENERGY CODE (CENC); PART 6, TITLE 24 CCR
2019 CALIFORNIA FIRE CODE (CFC); PART 9, TITLE 24 CCR
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN); PART 11, TITLE 24 CCR
 - REPORT DEFICIENCIES WITHIN THIRTY (30) DAYS UPON AUTHORIZATION TO PROCEED.
 - NO PLUMBING SHALL BE INSTALLED UNTIL ALL REQUIRED PLUMBING PLAN CHECK PERMITS AND APPROVALS HAVE BEEN OBTAINED FROM ALL REQUIRED AGENCIES.
 - LAVATORY FAUCETS, SINK FAUCETS NOT INCLUDING SERVICE SINK FAUCETS OR FAUCETS DESIGNATED AS INSTITUTIONAL, SHALL MEET THE FLOW REQUIREMENTS OUTLINED IN THE APPLIANCE EFFICIENCY STANDARDS.
 - COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES AND DRAINAGE.
 - PROVIDE ALL TAILPIECES, TRAPS, STOPS, AND SUPPLY PIPES TO LAVATORIES DESIGNED AS ACCESSIBLE, WITH PREFORMED INSULATION JACKET.
 - COORDINATE AND SCHEDULE TIMING FOR ALL UTILITY SERVICE CONNECTIONS.
 - ALL LINES BELOW SLAB ON GRADE TO BE LOCATED AWAY FROM ALL LOAD BEARING FOOTINGS.
 - ALL VENTS THRU ROOF SHALL BE MINIMUM OF 36 INCHES ABOVE MECHANICAL VENTILATION AIR INTAKE WITHIN 10 FEET. PROVIDE VANDAL PROOF HOODS ON ALL VENTS THROUGH ROOF.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, ROOFS, FOOTINGS, FLOORS, INCLUDING ALL SAW CUTTING AND CORE DRILLING. COORDINATE ALL SAW CUTTING AND CORE DRILLING WITH STRUCTURAL DRAWINGS. ANY CUTTING AND DRILLING REQUIRED OF STRUCTURAL ELEMENTS THAT IS NOT SPECIFICALLY SHOWN ON THE PLANS SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION PRIOR TO CUTTING AND DRILLING. CONTRACTOR SHALL SUBMIT PROPOSED LOCATION AND SIZE OF SUCH CUTTING AND DRILLING FOR THE ARCHITECTS AND STRUCTURAL ENGINEERS APPROVAL.
 - COORDINATE ALL EQUIPMENT LOCATIONS, PIPE PENETRATIONS AND EQUIPMENT PAD LOCATIONS WITH STRUCTURAL DRAWING PRIOR TO WORK.
 - COORDINATE INSTALLATION OF ALL EQUIPMENT AND PIPING WITH OTHER TRADES PRIOR TO INSULATION. ENSURE THAT ALL CONTROL DEVICES, SHUT-OFF VALVES, ETC. ARE ACCESSIBLE FOR MAINTENANCE. WHERE ACCESS PANELS IN FINISHED SPACES, OTHER THAN THAT SHOWN, CONTRACTOR SHALL PROVIDE AND COORDINATE EXACT LOCATION OF PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
 - ANY STRUCTURAL FIREPROOFING DAMAGED DURING INSTALLATION OF PLUMBING EQUIPMENT, PIPING, ETC. SHALL BE REPAIRED AT NO COST TO THE OWNER. REPAIRS SHALL BE AS DIRECTED BY THE ARCHITECT.
 - ALL PIPING PASSING THROUGH CONCRETE/MASONRY WALLS AND FLOORS ARE TO BE SLEEVED.

PLUMBING ABBREVIATIONS

ABV	ABOVE	HD	HEAD
ADA	AMERICANS WITH DISABILITIES ACT	HP	HORSE POWER
AFF	ABOVE FINISHED FLOOR	HZ	HERTZ
AG	ABOVE GRADE	IE	INVERT ELEVATION
AHJ	AUTHORITY HAVING JURISDICTION	IWC	INCHES OF WATER COLUMN
ALUM	ALUMINUM	KW	KILOWATTS
AMB	AMBIENT	LAV	LAVATORY
AMP	AMPERAGE	LBS	POUNDS
ARCH	ARCHITECT, ARCHITECTURAL	LWT	LEAVING WATER TEMPERATURE
BEL	BELOW	MAX	MAXIMUM
BF	BELOW FLOOR	MBH	1000 BRITISH THERMAL UNITS PER HOUR
BG	BELOW GRADE	MCA	MINIMUM CIRCUIT AMPS
BFP	BACKFLOW PREVENTOR	MECH	MECHANICAL
BLDG	BUILDING	MFR	MANUFACTURE OR MANUFACTURER
BOD	BASIS OF DESIGN	MIN	MINIMUM
BTUH	BRITISH THERMAL UNIT PER HOUR	MU	MAKE-UP
CA	COMBUSTION AIR	(N)	NEW
CD	CONDENSATE DRAIN	NOM	NOMINAL
CONN	CONNECTION	NTS	NOT TO SCALE
CONT	CONTINUATION	OPT	OPERATING
CI	CAST IRON	OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
CP	CHROME PLATED	PD	PRESSURE DROP
DFU	DRAINAGE FIXTURE UNITS	PH	PHASE
DN	DOWN	PSI	POUNDS PER SQUARE INCH
DSA	DIVISION OF THE STATE ARCHITECT	PW	PROCESS WASTE
(E)	EXISTING	RM	ROOM
EC	EVAPORATIVE COOLER	RPM	REVOLUTIONS PER MINUTE
EFF	EFFICIENCY	SDL	STORM DRAIN LEADER
ELEC	ELECTRICAL	SOD	STORM DRAIN OVERFLOW
EQUIP	EQUIPMENT	SHT	SHEET
EWT	ENTERING WATER TEMPERATURE	SOV	SHUT OFF VALVE
FA	FROM ABOVE	SS	STAINLESS STEEL
FC	FLEXIBLE CONNECTION	TEMP	TEMPORARY, TEMPERATURE
FLA	FULL LOAD AMPS	TYP	TYPICAL
FLR	FLOOR	UNON	UNLESS OTHERWISE NOTED
FPS	FEET PER SECOND	UTR	UP TO OR UP THROUGH ROOF
FR	FROM	V	VENT
FT	FLUSH TANK	VAC	VACUUM
FV	FLUSH VALVE	VTR	VENT THROUGH ROOF
GA	GAGE OR GAUGE	WC	WATER CLOSET
GALV	GALVANIZED	W	WASTE
GPC	GALLONS PER CYCLE	W/	WITH
GPF	GALLONS PER FLUSH	WIO	WITHOUT
GPM	GALLONS PER MINUTE	WSFU	WATER SUPPLY FIXTURE UNIT
GYP	GYP-SUM	WT	WEIGHT EXPRESSED IN POUNDS
GW	GREASE WASTE		

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
		BALL VALVE
		CAP
	GM	GAS METER
		GAS VALVE
	HB	HOSE BIBB
		SHUT OFF VALVE IN PIPE DROP OR PIPE RISER
		UNION
		PIPE DOWN
		PIPE UP
		PIPE TEE DOWN
	PV	PLUG VALVE ELEVATION VIEW
		PLUG VALVE PLAN VIEW
	MPG	MEDIUM PRESSURE GAS (20 PSI)
	HPG	HIGH PRESSURE GAS (50 PSI)
	LPG	LIQUID PROPANE GAS (30 PSI)

PROJECT TEAM LIST

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PRINCIPAL IN CHARGE	BRIAN STARRETT	805.540.5358	BSTARRETT@3CENG.COM
PROJECT MANAGER	DENVER STANGER	805.540.5358	DSTANGER@3CENG.COM
PLUMBING DESIGNER	BRIAN STARRETT	805.540.5358	BSTARRETT@3CENG.COM

SHEET INDEX

SHEET NUMBER	SHEET TITLE
B2-P000	PLUMBING GENERAL
B2-P001	PLUMBING DETAILS
B2-P100	PLUMBING FIRST FLOOR PLAN
B2-P101	PLUMBING SECOND FLOOR PLAN
B2-P102	PLUMBING THIRD & FOURTH FLOOR PLANS



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STATE OF CALIFORNIA

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M. STANGER
M 34086
MECHANICAL
EST. 2005
STATE OF CALIFORNIA

PERMIT APPROVAL STAMP

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RF#184		11-27-2024
AS#002_Rev2		12-05-2024
RF#192		12-20-2024
RF#193		12-20-2024

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER
DENVER STANGER
DRAWN BY
RANDY CARMINATI
CHECKED BY
DENVER STANGER
CONSULTANT JOB NO
21-126
DATE
04/22/2022

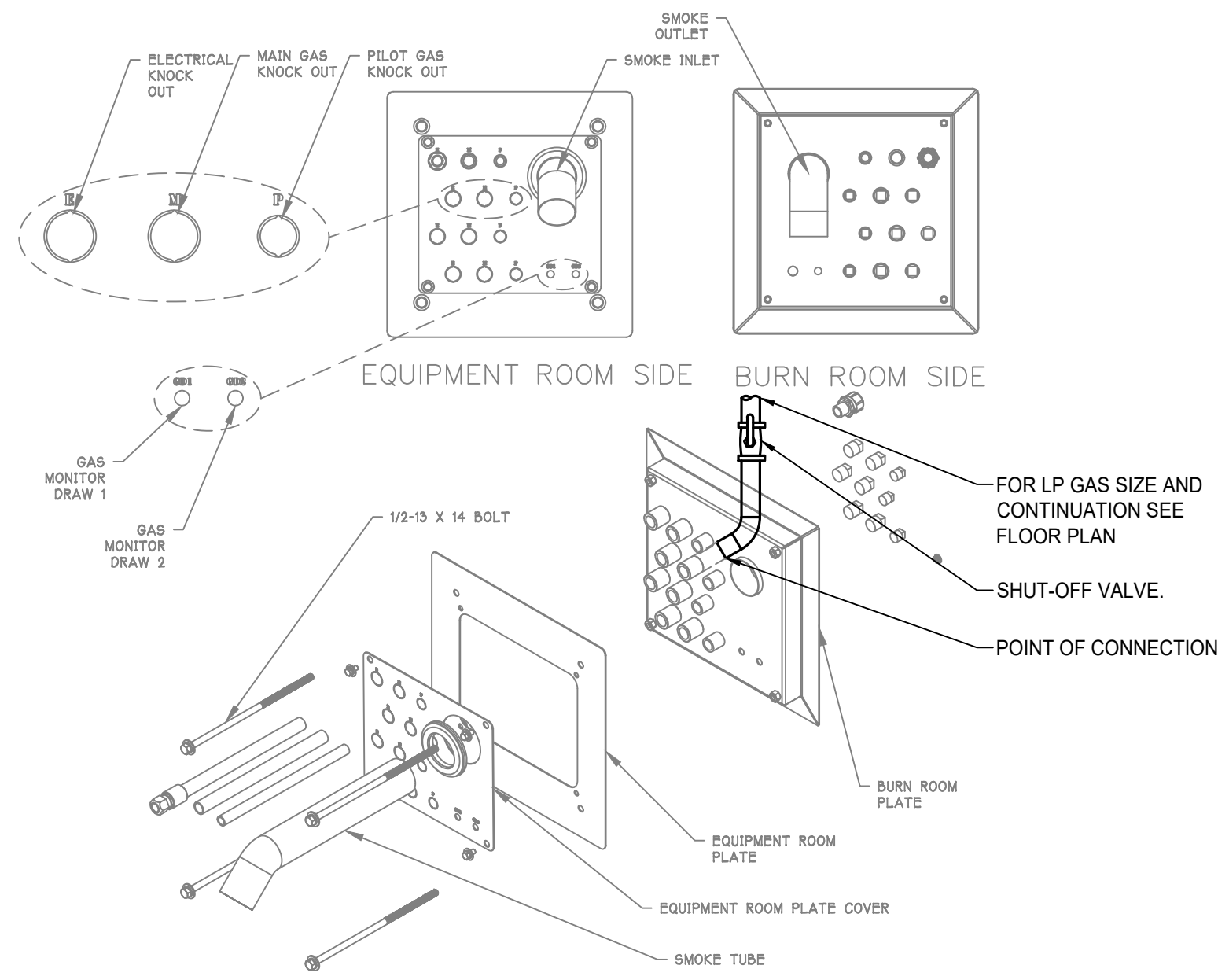
PROJECT TITLE AND ADDRESS

VENTURA COUNTY FIRE TRAINING CENTER

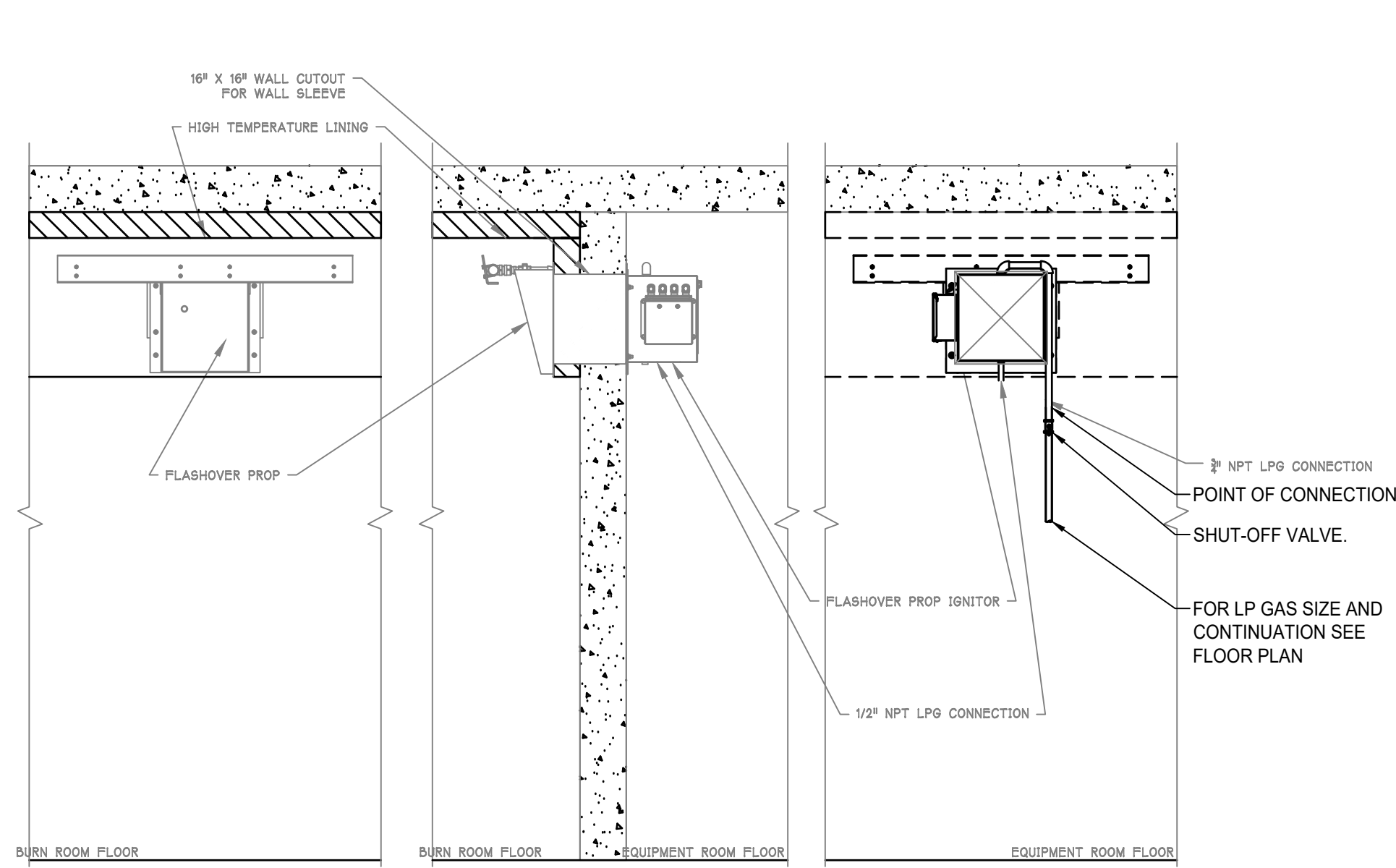
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COUNTY PROJECT NUMBER
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COUNTY DWG NO
SHEET
106 of 123

SHEET TITLE
PLUMBING GENERAL

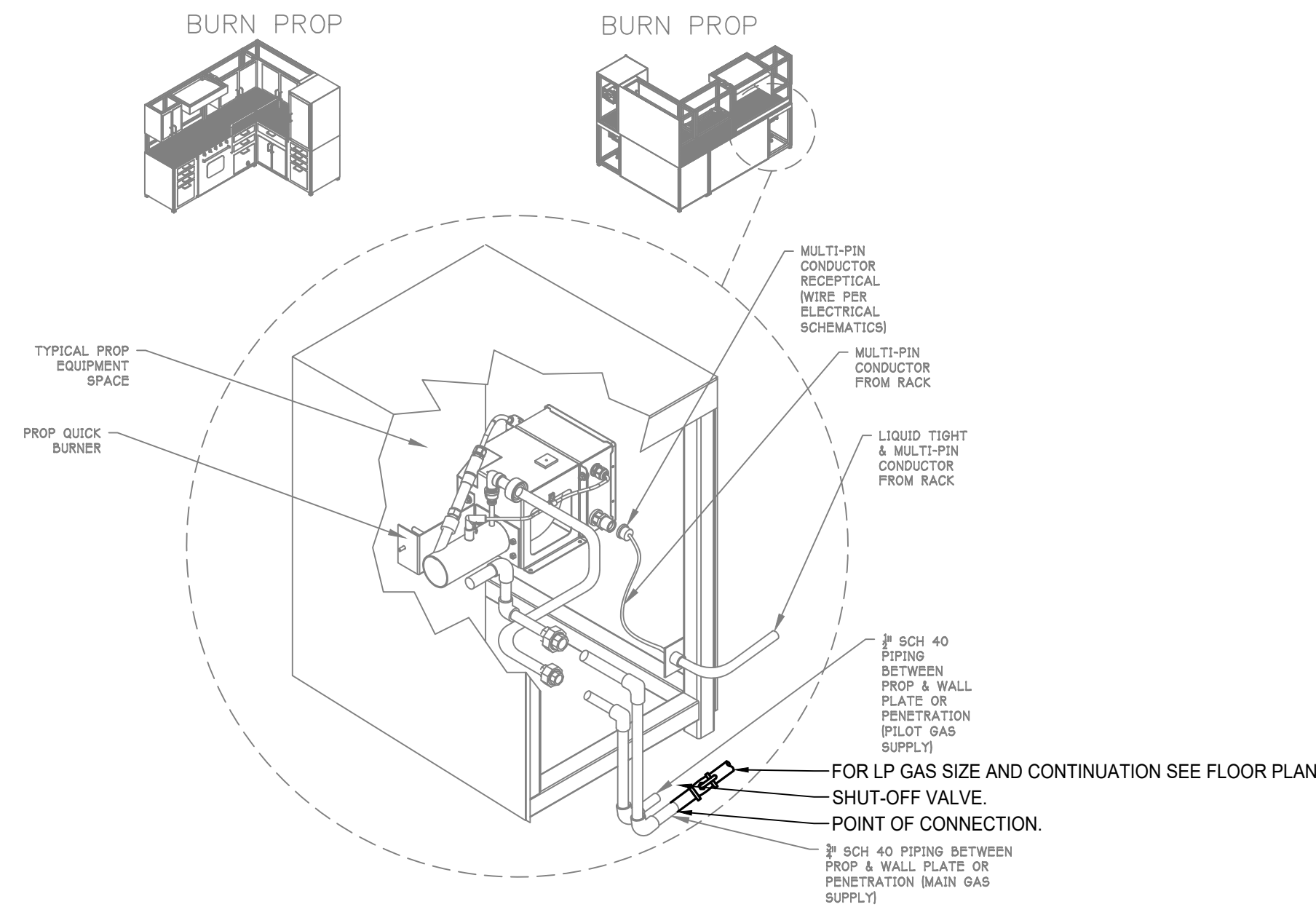
SHEET NO
CP23-02
CCO-18
B2-P000



③ HAWK-EAGLE WALL PLATE LP CONNECTION
NTS



② HAWK/EAGLE INTERIOR FLASHOVER PROP LP CONNECTION
NTS



① TYPICAL HAWK-EAGLE PROP LP CONNECTION
NTS



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PERMIT NO C21-777 & C21-778

NO	REVISION	DATE
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13	ASI# 2	02-14-2024
	ASI-002_Rev1	04-26-2024
26	RFI#184	11-27-2024
27	ASI-002_Rev2	12-05-2024
28	RFI-192	12-20-2024
30	RFI-193	12-20-2024

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER
DENVER STANGER

DRAWN BY RANDY CARMINATI	CHECKED BY DENVER STANGER
CONSULTANT JOB NO 20126	DATE 04/22/2022

PROJECT TITLE AND ADDRESS

**VENTURA COUNTY
FIRE TRAINING
CENTER**

165 DURLEY AVE
CAMARILLO, CA 93010

COUNTY SPEC NUMBER
CP23-02

COUNTY PROJECT NUMBER
P6T18021

COUNTY DWG NO SHEET
107 of 123

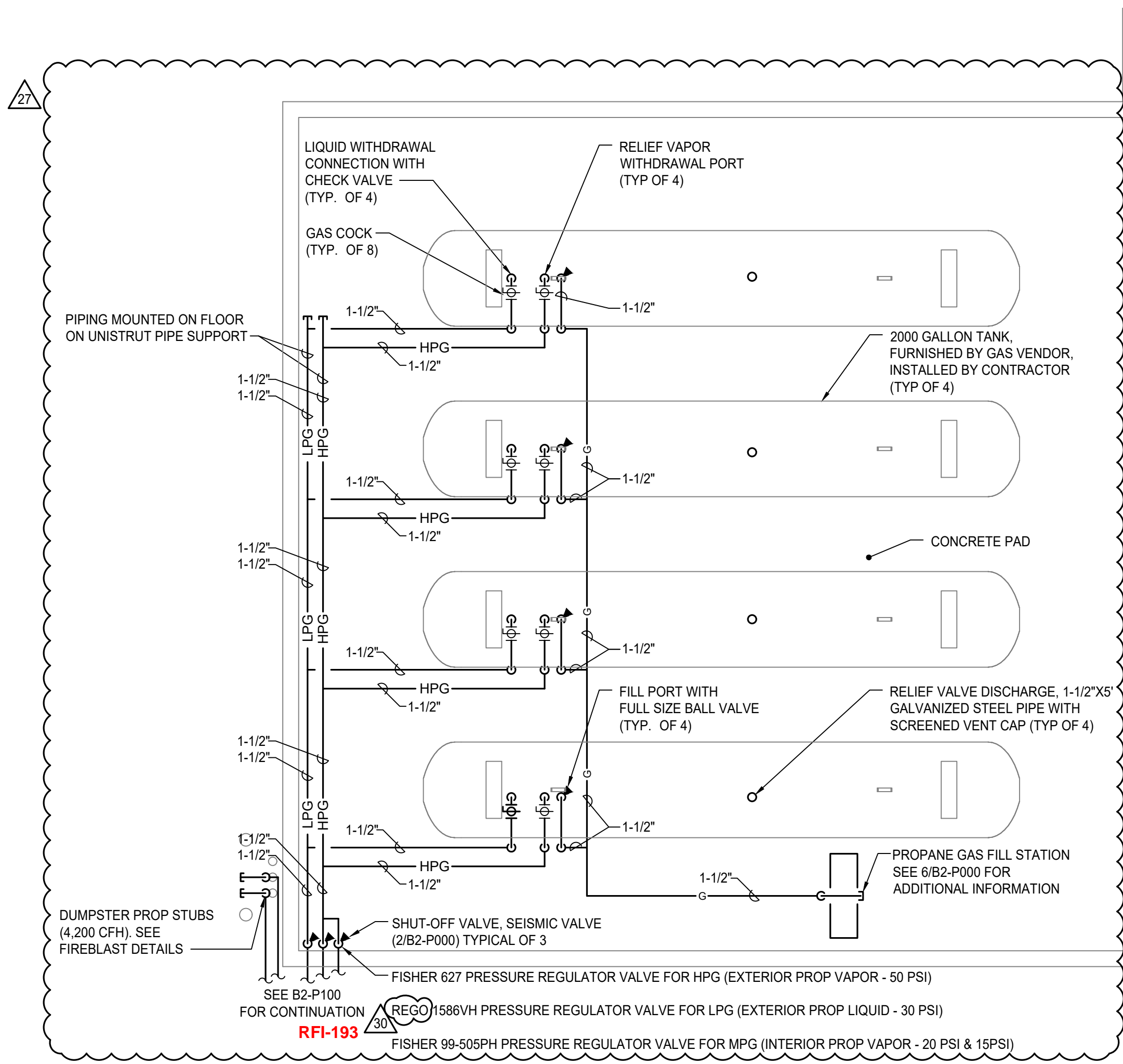
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PLUMBING DETAILS

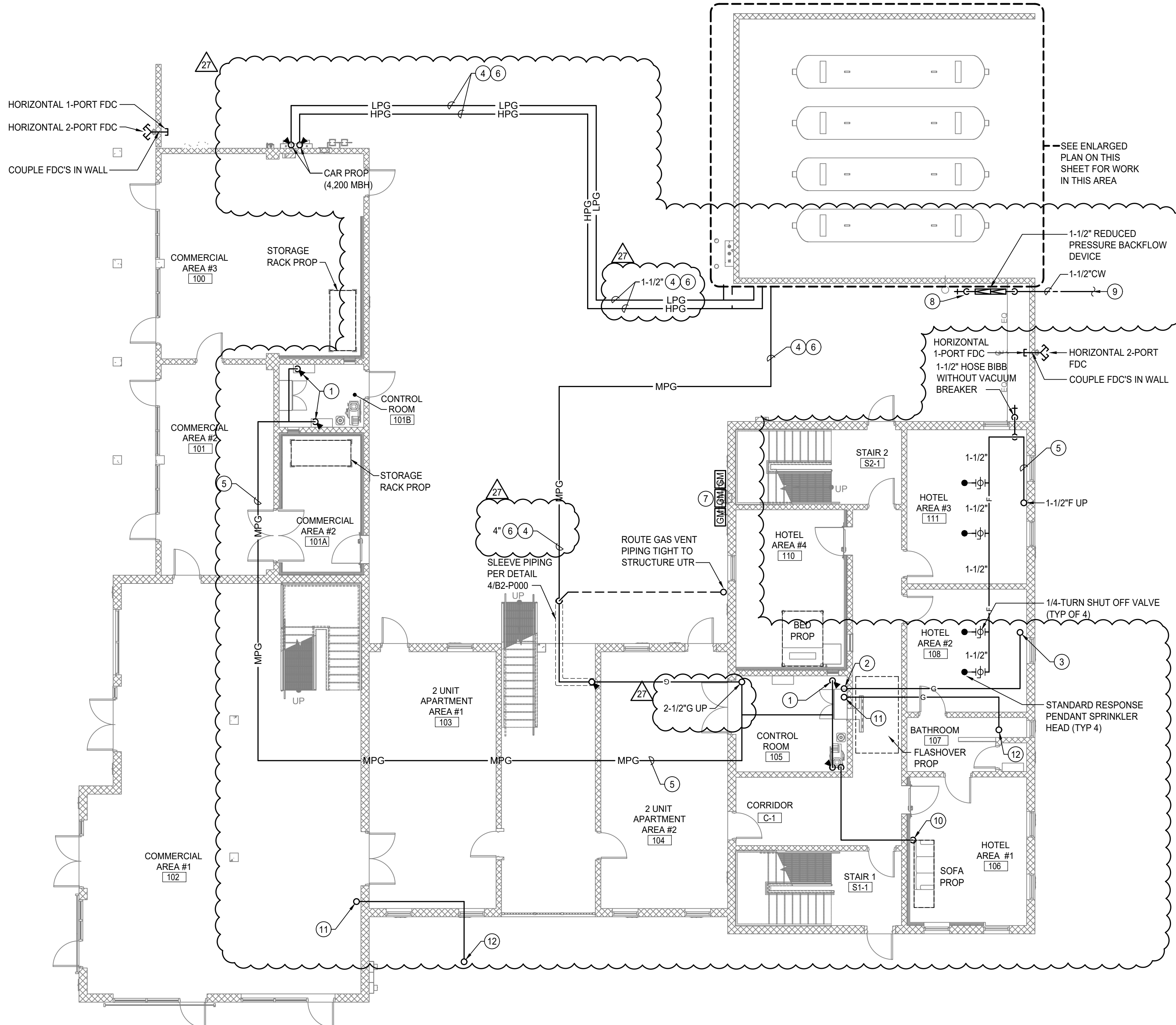
SHEET NO

CP23-02
CCO-18
B2-P001

PLAN CHECK RE-SUBMITTAL



PLUMBING GENERAL NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE GAS RISER DIAGRAM ON SHEET B2-P000 FOR SIZING, CALCULATIONS AND EQUIPMENT LOADS.
KEY NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	PROPANE DROP TO FIRE PROP CONTROL PANEL. SEE B2-P000 GAS DIAGRAM FOR PIPE SIZES.
2	3/4\"/>
3	3/4\"/>
4	3/4\"/>
5	UNDERGROUND PROPANE PIPING WITH GAS SLEEVE. SEE DETAIL 04/B2-P000 FOR MORE INFORMATION.
6	UNDERGROUND PROPANE PIPING WITH GAS SLEEVE. SEE DETAIL 04/B2-P000 FOR MORE INFORMATION.
7	UNDERGROUND PIPING IN TRENCH. SEE 05/B2-P000 FOR MORE INFORMATION.
8	GAS METER BANK PROVIDED AND INSTALLED PLUMBING CONTRACTOR PER LOCAL GAS COMPANY CURRENT STANDARDS.
9	POTTER ROEMER 1-1/2\"/>
10	PROVIDE 1\"/>
11	3/4\"/>
12	3/4\"/>



PUBLIC
VENTURA COUNTY
WORKS

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PROFESSIONAL SEALS



PERMIT APPROVAL STAMP

PERMIT NO C21-777 & C21-778		
NO	REVISION	DATE
BID SET		08-21-2023
13	ASI# 2	02-14-2024
26	ASI-002_Rev1	04-26-2024
27	RFI#184	11-27-2024
28	ASI-002_Rev2	12-05-2024
29	RFI-192	12-20-2024
30	RFI-193	12-20-2024

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER
DENVER STANGER

DRAWN BY RANDY CARMINATI
CHECKED BY DENVER STANGER

CONSULTANT JOB NO. DATE
20126 04/22/2022

PROJECT TITLE AND ADDRESS

**VENTURA COUNTY
FIRE TRAINING
CENTER**

165 DURLEY AVE
CAMARILLO, CA 93010

COUNTY SPEC NUMBER
CP23-02

COUNTY PROJECT NUMBER
P6T18021

COUNTY DWG NO SHEET
108 of 123

SHEET TITLE

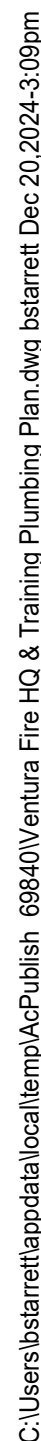
**PLUMBING FIRST
FLOOR PLAN**

SHEET NO

CP23-02
CCO-18

B2-P100

PLAN CHECK RE-SUBMITTAL



27



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CONSULTANT PROJECT MANAGER
DENVER STANGER

DRAWN BY RANDY CARMINATI	CHECKED BY DENISE
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CONSULTANT JOB NO 30-134	DATE 04/22/2002
------------------------------------	---------------------------

20-120	04/22/2022
PROJECT TITLE AND ADDRESS	

VENTURA C**VENTURA CC**

FIRE TRAINING

CENTER

11 of 11

165 DURLEY AV

Camarillo, CA 9

COUNTY SPEC NUMBER
CP23-02

COUNTY PROJECT NUMBER
D4T10001

P6118021	
COUNTY DWG NO	SHEET

SHEET TITLE

PLUMBING SECOND

PLUMBING SECOND FLOOR PLAN

FLOOR PLAN

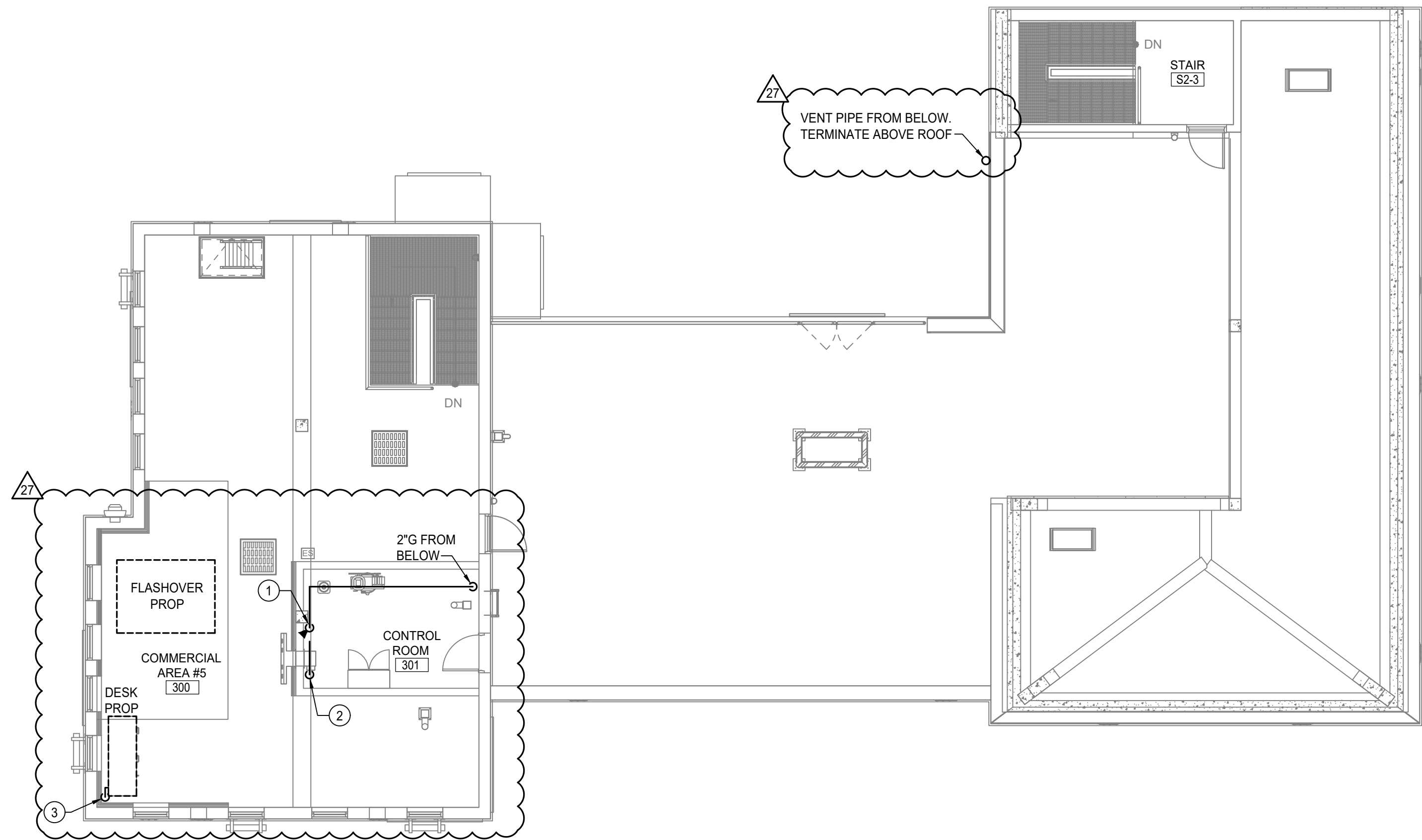
SHEET NO **DD-D101**

23-02 B2-P101
Q 18

0-18

PLAN CHECK RE-SUBMITTAL

C:\Users\blanett\appdata\local\temp\Acp\Julia_06840\Ventura Fire HQ & Training Plumbing Plan.dwg blanst Dec 20, 2024-3:09pm



PLUMBING GENERAL NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE GAS RISER DIAGRAM ON SHEET B2-P000 FOR SIZING, CALCULATIONS AND EQUIPMENT LOADS.
KEY NOTES	
APPLICABLE TO THIS SHEET ONLY	
①	PROPANE DROP TO FIRE PROP CONTROL PANEL. SEE B2-P000 GAS DIAGRAM FOR PIPE SIZES.
②	3/4\" AND 1/2\" PROPANE FROM FIRE PROP CONTROL PANEL DOWN TO UNDERSIDE OF DECK.
③	3/4\" AND 1/2\" PROPANE FROM BELOW AND CONNECT TO FIRE PROP. REFER TO FIRE PROP VENDOR DRAWINGS FOR EXACT POINT OF CONNECT.



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LICENSED ARCHITECT
MARY C. MCGRATH
C-24435
EXPIR-08-30-25
STATE OF CALIFORNIA

PROFESSIONAL SEALS
MECHANICAL
STATE OF CALIFORNIA
EST. 80000

PERMIT APPROVAL STAMP

PERMIT NO C21-777 & C21-778		
NO	REVISION	DATE
BID SET		08-21-2023
13	ASI# 2	02-14-2024
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27	RFI#184	11-27-2024
28	ASI-002_Rev2	12-05-2024
29	RFI-192	12-20-2024
30	RFI-193	12-20-2024

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DENVER STANGER

DRAWN BY
RANDY CARMINATI

CHECKED BY
DENVER STANGER

CONSULTANT JOB NO
20126

DATE
04/22/2022

PROJECT TITLE AND ADDRESS

**VENTURA COUNTY
FIRE TRAINING
CENTER**

165 DURLEY AVE
CAMARILLO, CA 93010

COUNTY SPEC NUMBER
CP23-02

COUNTY PROJECT NUMBER
P6T18021

COUNTY DWG NO
SHEET
110 of 123

SHEET TITLE

**PLUMBING THIRD &
FOURTH FLOOR PLANS**

SHEET NO

CP23-02
CCO-18

B2-P102

PLAN CHECK RE-SUBMITTAL

PANEL SCHEDULES FOR BURN BUILDING PROP

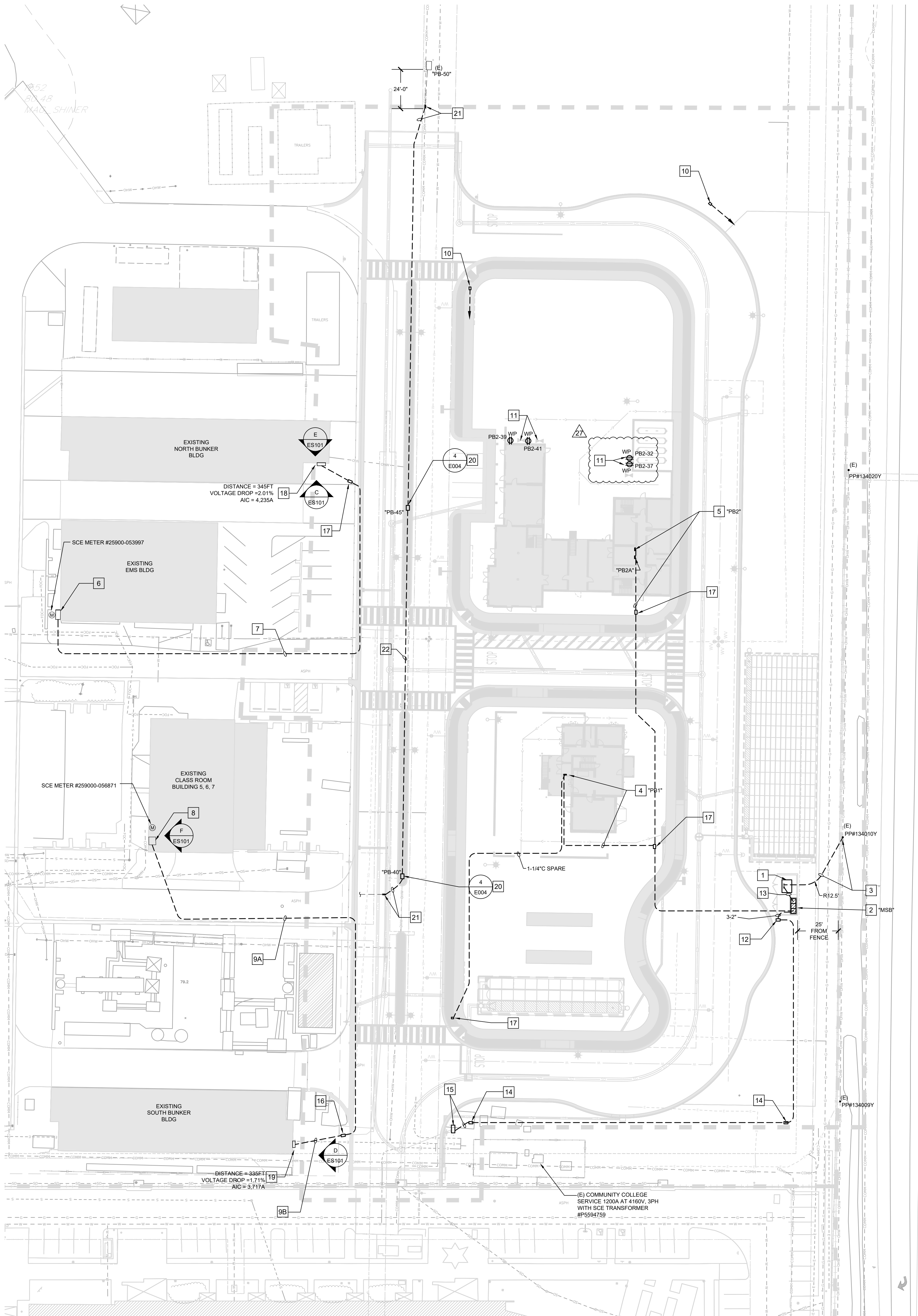
(N) LOADCENTER PB1														
SURFACE MOUNT, NEMA 3R														
LOCATION: CONTROL ROOM 100														
WITH EQUIPMENT GND BUS														
CKT	NO	DIS	TYPE	LOAD	TRIP	POLES	COND	PHASE	DESCRIPTION	CKT	LOAD	DIS	TYPE	CKT
NO	PT	NOTES	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	NO	PT	NOTES	TYPE	NO
1				TEMPERATURE MONITORING	20	1	12		1					
2				SPARE	20	1	12		2					
3				SPARE	20	1	12		3					
4				SPARE	20	1	12		4					
5				FIRST FLOOR OUTLETS	20	1	12		5					
6				SPARE	20	1	12		6					
7				SECOND FLOOR OUTLETS	20	1	12		7					
8				THIRD FLOOR OUTLETS	20	1	12		8					
9				SPARE	20	1	12		9					
10				SPARE	20	1	12		10					
11				SPARE	20	1	12		11					
12				SPARE	20	1	12		12					
13				SPARE	20	1	12		13					
14				SPARE	20	1	12		14					
15				SPARE	20	1	12		15					
16				SPARE	20	1	12		16					
17				SPARE	20	1	12		17					
18				SPARE	20	1	12		18					
19				SPARE	20	1	12		19					
20				SPARE	20	1	12		20					
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22				SPARE	20	1	12		22					
23				SPARE	20	1	12		23					
24				SPARE	20	1	12		24					
25				SPARE	20	1	12		25					
26				SPARE	20	1	12		26					
27				SPARE	20	1	12		27					
28				SPARE	20	1	12		28					
29				SPARE	20	1	12		29					
30				SPARE	20	1	12		30					

(N) LOADCENTER PB2														
SURFACE MOUNT, NEMA 3R														
LOCATION: CONTROL ROOM 100														
WITH EQUIPMENT GND BUS														
CKT	NO	DIS	TYPE	LOAD	TRIP	POLES	COND	PHASE	DESCRIPTION	CKT	LOAD	DIS	TYPE	CKT
NO	PT	NOTES	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	NO	PT	NOTES	TYPE	NO
1				CONTROL BACK CONTROL PANEL	50	3	0		1					
2				CONTROL BACK CONTROL PANEL	50	3	0		2					
3				CONTROL BACK CONTROL PANEL	50	3	0		3					
4				CONTROL BACK CONTROL PANEL	50	3	0		4					
5				CONTROL BACK CONTROL PANEL	50	3	0		5					
6				CONTROL BACK CONTROL PANEL	50	3	0		6					
7				CONTROL BACK CONTROL PANEL	50	3	0		7					
8				CONTROL BACK CONTROL PANEL	50	3	0		8					
9				CONTROL BACK CONTROL PANEL	50	3	0		9					
10				CONTROL BACK CONTROL PANEL	50	3	0		10					
11				CONTROL BACK CONTROL PANEL	50	3	0		11					
12				CONTROL BACK CONTROL PANEL	50	3	0		12					
13				CONTROL BACK CONTROL PANEL	50	3	0		13					
14				CONTROL BACK CONTROL PANEL	50	3	0		14					
15				CONTROL BACK CONTROL PANEL	50	3	0		15					
16				CONTROL BACK CONTROL PANEL	50	3	0		16					
17				CONTROL BACK CONTROL PANEL	50	3	0		17					
18				CONTROL BACK CONTROL PANEL	50	3	0		18					
19				CONTROL BACK CONTROL PANEL	50	3	0		19					
20				CONTROL BACK CONTROL PANEL	50	3	0		20					
21				CONTROL BACK CONTROL PANEL	50	3	0		21					
22				CONTROL BACK CONTROL PANEL	50	3	0		22					
23				CONTROL BACK CONTROL PANEL	50	3	0		23					
24				CONTROL BACK CONTROL PANEL	50	3	0		24					
25				CONTROL BACK CONTROL PANEL	50	3	0		25					
26				CONTROL BACK CONTROL PANEL	50	3	0		26					
27				CONTROL BACK CONTROL PANEL	50	3	0		27					
28				CONTROL BACK CONTROL PANEL	50	3	0		28					
29				CONTROL BACK CONTROL PANEL	50	3	0		29					
30				CONTROL BACK CONTROL PANEL	50	3	0		30					

(N) LOADCENTER PB2A														
SURFACE MOUNT, NEMA 3R														
LOCATION: CONTROL ROOM 100														
WITH EQUIPMENT GND BUS														
CKT	NO	DIS	TYPE	LOAD	TRIP	POLES	COND	PHASE	DESCRIPTION	CKT	LOAD	DIS	TYPE	CKT
NO	PT	NOTES	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	NO	PT	NOTES	TYPE	NO
1				CONTROL BACK CONTROL PANEL	50	3	0		1					
2				CONTROL BACK CONTROL PANEL	50	3	0		2					
3				CONTROL BACK CONTROL PANEL	50	3	0		3					
4				CONTROL BACK CONTROL PANEL	50	3	0		4					
5				CONTROL BACK CONTROL PANEL	50	3	0		5					
6				CONTROL BACK CONTROL PANEL	50	3	0		6					
7				CONTROL BACK CONTROL PANEL	50	3	0		7					
8				CONTROL BACK CONTROL PANEL	50	3	0		8					
9				CONTROL BACK CONTROL PANEL	50	3	0		9					
10				CONTROL BACK CONTROL PANEL	50	3	0		10					
11				CONTROL BACK CONTROL PANEL	50	3	0		11					
12				CONTROL BACK CONTROL PANEL	50	3	0		12					
13				CONTROL BACK CONTROL PANEL	50	3	0		13					
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15				CONTROL BACK CONTROL PANEL	50	3	0		15					
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26				CONTROL BACK CONTROL PANEL	50	3	0		26					
27				CONTROL BACK CONTROL PANEL	50	3	0		27					
28				CONTROL BACK CONTROL PANEL	50	3	0		28					
29				CONTROL BACK CONTROL PANEL	50	3	0		29					
30				CONTROL BACK CONTROL PANEL	50	3	0		30					

PANEL SCHEDULE FOR SOUTH BUNKER PANEL

(N) LOAD CENTER										SURFACE MOUNT, NEMA 3R									
BUS RATING: 100 1200/59V, 3PH, 4W										LOCATION: SOUTH BUNKER BUILDING									
MAIN SPACES: 100 MAIN BREAKER										WITH EQUIPMENT GND BUS									
A/C RATINGS: 30 FULL SIZE BRK ON 25 SPACES																			
10 KVA PANEL																			
LOAD																			
CKT	NO	DIS	TYPE	DESCRIPTION	TRIP	POLES	CONNECTED VA			COND	POLES	TRIP	DESCRIPTION	CKT	LOAD	DIS	TYPE	CKT	NO
							PHASE A	PHASE B	PHASE C										
	1			EXISTING LOAD	20	1	E			E	1	20	EXISTING LOAD	2					
	2			EXISTING LOAD	20	1	E			E	1	20	EXISTING LOAD	3					
	3			EXISTING LOAD	20	1	E			E	1	20	EXISTING LOAD	4					
	4			EXISTING LOAD	20	1	E			E	1	20	EXISTING LOAD	5					
	5			EXISTING LOAD	20	1	E			E	1	20	EXISTING LOAD	6					
	6			EXISTING LOAD	20	1	E			E	1	20	EXISTING LOAD	7					
	7			EXISTING LOAD	20	1	E			E	1	20	EXISTING LOAD	8					
	8			EXISTING LOAD	20	1	E			E	1	20	EXISTING LOAD	9					
	9			EXISTING LOAD	20	1	E			E	1	20	EXISTING LOAD	10					
	10			EXISTING LOAD	20	1	E			E	1	20	EXISTING LOAD	11					
	11			SPFAGE	20	1				E	1	30	EXISTING LOAD	12					
	12			EXISTING LOAD	20	2	E			E	1	30	EXISTING LOAD	13					
	13			"			E			E	1	30	EXISTING LOAD	14					
	14			"						E	1	30	EXISTING LOAD	15					
	15			SPFAGE	20	1				E	2	50	EXISTING LOAD	16					
	16			"									"	20					
	17			SPFAGE	20	1													
	18			SPFAGE	20	1													
	19			SPFAGE	20	1													
	20			SPFAGE	20	1													
	21			SPFAGE															
	22			SPFAGE															
	23			SPFAGE															
	24			SPFAGE															
	25			SPFAGE															
	26			SPFAGE															
	27			SPFAGE															
	28			SPFAGE															
	29			SPFAGE															
	30			SPFAGE															
CON: 0 0 0 0																			
25%: 0 0 0 0																			
HUR: 0 0 0 0																			
TOT: 0 0 0 0																			
AMPS: 0 0 0 0																			
LOAD VA/LD TYPE LEGEND																			
0 R RECEPTACLE																			
0 L LIGHTING (50% OF CONNECTED LOAD CEC 215.2)																			
0 M MECHANICAL																			
0 K KITCHEN APPLANCE																			
0 N NON-CONTINUOUS MISC.																			
0 C CONTINUOUS MISC. (100% OF CONNECTED LOAD CEC 215.2)																			



ELECTRICAL SITE PLAN
SCALE: 1" = 30'-0"
NORTH

GENERAL SITE PLAN NOTES

- A. UTILITY COMPANY CONTACTS: BEFORE CONSTRUCTION, COORDINATE & VERIFY ALL UTILITY COMPANY REQUIREMENTS:
- B. TRENCHING AND BACKFILLING FOR ALL CONDUIT SYSTEMS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL CONDUITS SHALL HAVE MINIMUM COVER REQUIREMENTS AS SPECIFIED IN CEC 300-5. MORE STRINGENT DEPTH REQUIREMENTS MAY BE IMPOSED BY UTILITY COMPANY AND / OR THIS SPECIFICATION. JOINT TRENCHING MAY BE UTILIZED WHERE PRACTICABLE AND WERE PERMITTED BY THIS SPECIFICATION.
- C. LOCATIONS OF EXISTING UNDERGROUND (UG) UTILITY SYSTEMS SHALL BE DETERMINED BY CALLING UNDERGROUND SERVICE ALERT (USA). WHEN PLANNING UNDERGROUND WORK, AND BEFORE YOU DIG, CONTACT UNDERGROUND SERVICE ALERT (USA) AT LEAST 48 HOURS PRIOR TO EXCAVATION (WEEKENDS EXCLUDED) FOR THE LOCATION OF UNDERGROUND GAS AND ELECTRIC LINES OR EQUIPMENT.
- D. MAINTAIN REQUIRED CLEARANCES FROM ALL SANITARY SEWER, WATER AND STORM DRAIN PIPING. REFER TO CIVIL PLANS FOR EXACT LOCATIONS AND DEPTHS OF PIPING.
- E. ALL SITE UTILITY WORK SHALL BE INSTALLED PER THE UTILITY COMPANY ISSUED CONSTRUCTION DRAWINGS AND SPECIFICATIONS SPECIFIC TO THIS PROJECT. ANY UTILITY WORK PERFORMED WITHOUT PRIOR UTILITY COMPANY APPROVAL SHALL BE DONE AT THE CONTRACTOR'S RISK.
- F. BRANCH CIRCUIT SITE LIGHTING ARE ALL POWERED FROM THE CLASS A BUILDING PROP LIGHTING CONTROL PANEL. SHOW 1" CONDUIT WITH (4) #8 THWN AND (1) #10 CU GROUND.

REFERENCE NOTES

- NEW 72"x94" TRANSFORMER PAD PER SCE REQUIREMENTS.
- NEW MAIN SWITCHBOARD, "MSB" PER SINGLE LINE DIAGRAM.
- NEW SCE 1-5" PRIMARY SERVICE CONDUIT TO EXISTING POWER POLE AT LAS POSAS. COORDINATE WITH SCE.
- NEW 100AMP SUBFEED PANEL "PB1". REFER TO SINGLE LINE DIAGRAM.
- NEW 400AMP SUBFEED PANEL "PB2". REFER TO SINGLE LINE DIAGRAM.
- EXISTING 400AMP, 120/208V, 3PH, 4W WITH 1-125AMP 3P BREAKER FOR EMS BLDG. PROVIDE NEW 200AMP 3 POLE BREAKER TO MATCH EXISTING FOR NORTH BUNKER CONNECTION.
- NEW 2-1/2" FEEDER UNDERGROUND (PVC 40) CONDUIT TO NORTH BUNKER DISCONNECT WITH (4) #40 THWN AND (1) #4 CU GROUND.
- EXISTING 400AMP DISTRIBUTION BOARD, "ACOP", 120/208V, 3PH, 4W TO BE REPLACE WITH NEW. REFER TO PANEL SCHEDULE ON SHEET E-002. PROVIDE 1-100AMP 3 POLE BREAKER TO FEED SOUTH BUNKER. PROVIDE NEW GROUND SYSTEM PER DETAIL 10/E-004.
- NEW 2" FEEDER UNDERGROUND (PVC 40) CONDUIT SOUTH BUNK PANEL.
A. (4) #30 THWN AND (1) #6 CU GROUND.
B. (4) #2 THWN AND (1) #6 CU GROUND.
- NEW 1" C.O. STUB TO PANEL "PB2" FOR FUTURE USE. PROVIDE AND INSTALL 11"x17" PULL BOX FLUSH IN GRADE. REFER TO SHEET ES-103 FOR CONDUIT ROUTING.
- PROVIDE 120V DEDICATED OUTLET TO EACH OUTDOOR PROP. HOME RUN 1" C (2) #10 THWN AND (1) #10 CU GROUND TO PANEL "PB2".
- STUB 2-2" CONDUIT TO 17"x30" PULL BOX FROM "MSB" DISTRIBUTION SECTION FOR FUTURE USE.
- NEW 2-4" SECONDARY SERVICE CONDUIT PER SCE REQUIREMENTS.
- 2" FEEDER TO STORM DRAIN DUPLEX LIFT STATION CONTROL PANEL VIA PULL BOX. PROVIDE 17"x30" PULL BOX FLUSH IN GRADE. LABEL LID ELECTRICAL. REFER TO SINGLE LINE DIAGRAM FOR FEEDER SIZE.
- CONNECT TO DUPLEX LIFT STATION PER CIVIL PLAN. EC TO PROVIDE 208V 3PH CONNECTION AND RACEWAY TO CONTROL PANEL AND TO PUMP. COORDINATE WITH CIVIL PLANS FOR ADDITIONAL REQUIREMENTS. (SEE DETAIL K ON SHEET C-17).
- PROVIDE 11"x17" FLUSH IN GRADE. STAMP LID "ELECTRICAL".
- PROVIDE 17"x30" TRAFFIC RATED PULL BOX FLUSH IN GRADE. STAMP LID "ELECTRICAL".
- NEW 200AMP DISCONNECT NEMA 3R SWITCH WITH 150AMP FUSE (120/208V 3PH)
- NEW 100AMP PANEL NEMA 3R TO REPLACE EXISTING. REFER TO PANEL SCHEDULE "SB" ON SHEET E-002. PROVIDE NEW GROUNDING SYSTEM PER DETAIL 10/E-004.
- PROVIDE NEW 2"x3"x3" TRAFFIC RATED PULLBOX.
- INTERCEPT EXISTING 1-4"C (PVC 40) AND EXTEND NEW 1-4"C (PVC) TO NEW PULL BOX.
- PROVIDE NEW 1-4"C. (PVC 40) BETWEEN PULL BOX.



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San Luis Obispo, CA 93406
Phone: (805) 543-3850
Fax: (805) 543-3829
csl@thomaelec.com
THOMA #20-8119

PROFESSIONAL SEALS
REGISTERED PROFESSIONAL ENGINEER
WILLIAM A. THOMA
ELECTRICAL
STATE OF CALIFORNIA
EXP: 06/30/26
PERMIT APPROVAL STAMP

PERMIT NO		C21-777 & C21-778
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AS1 02	AS1 02	02-14-2023
AS1 03	AS1 03	04-18-2024
AS1 07	AS1 002 REV 2	12-05-2024

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER
Christopher M. Jose

DRAWN BY
TR/CJ

CHECKED BY
CJ/JT

CONSULTANT JOB NO
23-0119

DATE
3/04/2022

PROJECT TITLE AND ADDRESS

**VENTURA COUNTY
FIRE TRAINING
CENTER**

165 DURLY AVE
CAMARILLO, CA 93010

COUNTY SPEC NUMBER
CP23-02

COUNTY PROJECT NUMBER
P6T18021

COUNTY DWG NO
SHEET 116 OF 123

SHEET TITLE

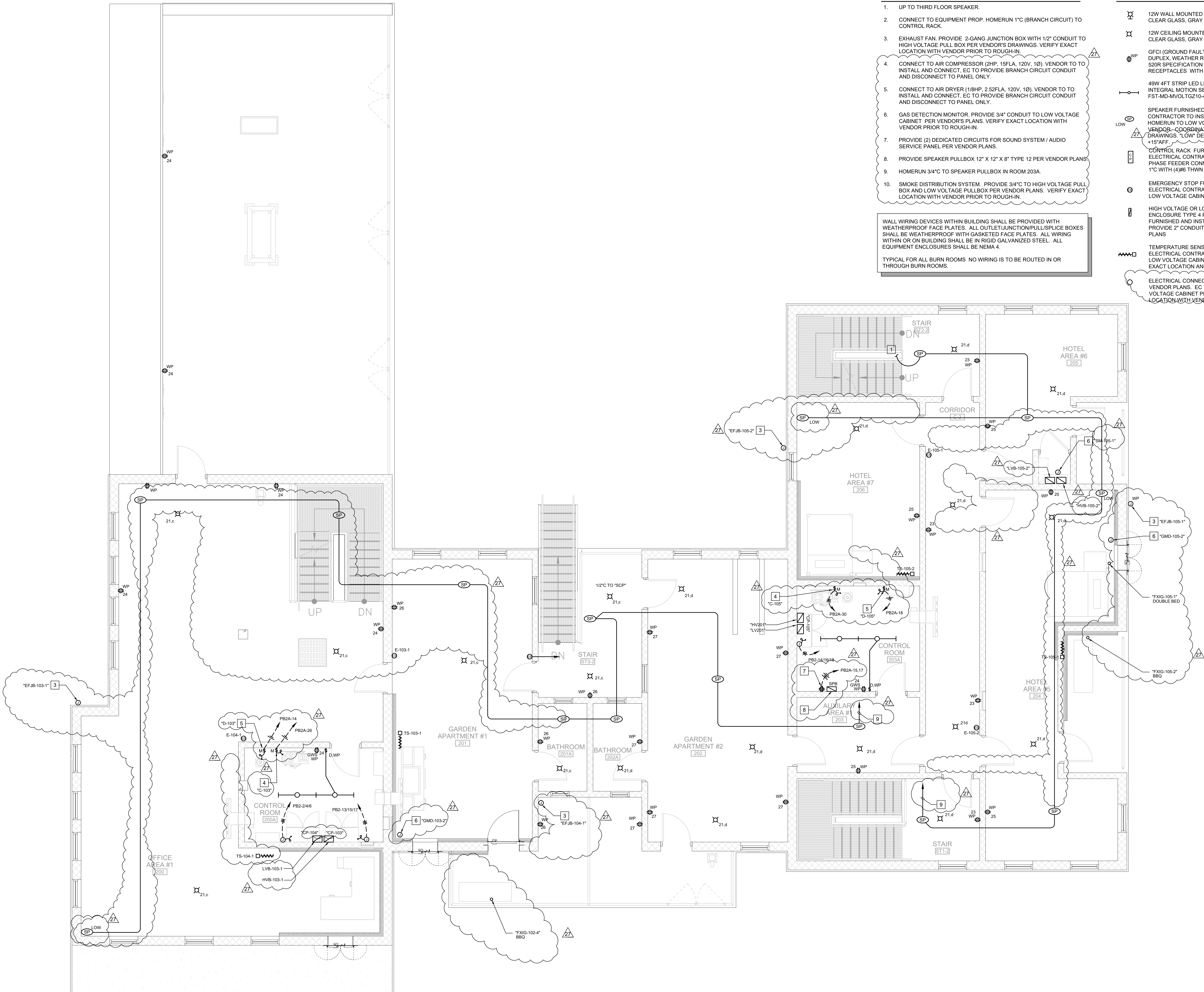
ELECTRICAL
SITE PLAN

SHEET NO
CP23-02
CCO-18
ES-102



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

03 10



REFERENCE NOTES

- UP TO THIRD FLOOR SPEAKER.
- CONNECT TO EQUIPMENT PROP. HOMERUN 1" C (BRANCH CIRCUIT) TO CONTROL RACK.
- EXHAUST FAN. PROVIDE 2-GANG JUNCTION BOX WITH 1/2" CONDUIT TO HIGH VOLTAGE PULL BOX PER VENDOR'S DRAWINGS. VERIFY EXACT LOCATION WITH VENDOR PRIOR TO ROUGH-IN.
- CONNECT TO AIR COMPRESSOR (2HP, 15FLA, 120V, 1Ø). VENDOR TO TO INSTALL AND CONNECT, EC TO PROVIDE BRANCH CIRCUIT CONDUIT AND DISCONNECT TO PANEL ONLY.
- CONNECT TO AIR DRYER (1/8HP, 2.52FLA, 120V, 1Ø). VENDOR TO TO INSTALL AND CONNECT, EC TO PROVIDE BRANCH CIRCUIT CONDUIT AND DISCONNECT TO PANEL ONLY.
- GAS DETECTION MONITOR. PROVIDE 3/4" CONDUIT TO LOW VOLTAGE CABINET PER VENDOR'S PLANS. VERIFY EXACT LOCATION WITH VENDOR PRIOR TO ROUGH-IN.
- PROVIDE (2) DEDICATED CIRCUITS FOR SOUND SYSTEM / AUDIO SERVICE PANEL PER VENDOR PLANS.
- PROVIDE SPEAKER PULLBOX 12" X 12" X 8" TYPE 12 PER VENDOR PLANS.
- HOMERUN 3/4" C TO SPEAKER PULLBOX IN ROOM 203A.
- SMOKE DISTRIBUTION SYSTEM. PROVIDE 3/4" C TO HIGH VOLTAGE PULL BOX AND LOW VOLTAGE PULLBOX PER VENDOR PLANS. VERIFY EXACT LOCATION WITH VENDOR PRIOR TO ROUGH-IN.

WALL WIRING DEVICES WITHIN BUILDING SHALL BE PROVIDED WITH WEATHERPROOF FACE PLATES. ALL OUTLET/JUNCTION/PULLSPLICE BOXES SHALL BE WEATHERPROOF WITH GASKETED FACE PLATES. ALL WIRING WITHIN OR ON BUILDING SHALL BE IN RIGID GALVANIZED STEEL. ALL EQUIPMENT ENCLOSURES SHALL BE NEMA 4.

TYPICAL FOR ALL BURN ROOMS. NO WIRING IS TO BE ROUTED IN OR THROUGH BURN ROOMS.

LEGEND

- 12W WALL MOUNTED LED VAPOR-TIGHT WITH HEAT RATED CLEAR GLASS, GRAY FINISH (CANLET #68-02-12W-L-W-F 09-11)
- 12W CEILING MOUNTED LED VAPOR-TIGHT WITH HEAT RATED CLEAR GLASS, GRAY FINISH (CANLET #68-02-12W-C-F 09-11)
- GFCI (GROUND FAULT CURRENT INTERRUPTER) 20A, 125V DUPLEX, WEATHER RESISTANT RECEPTACLE OUTLET NEMA 520R SPECIFICATION GRADE, WEATHER RESISTANT RECEPTACLES WITH WEATHERPROOF COVER.
- 49W 4FT STRIP LED LIGHT WET LOCATION RATED WITH INTEGRAL MOTION SENSOR (LITHONIA #VAP-6000LM FST-MD-MVOLTGZ10-40K-80CRI-WLX DL-MS110NWL)
- SPEAKER FURNISHED AND INSTALL BY VENDOR. ELECTRICAL CONTRACTOR TO INSTALL (11/34" CONDUIT ONLY AS SHOWN AND HOMERUN TO LOW VOLTAGE CABINET. LOW VOLTAGE WIRING BY VENDOR- COORDINATE EXACT LOCATION AND WITH VENDOR'S DRAWINGS. *LOW* DENOTES MOUNT AT STANDARD HEIGHT +15" AFF.
- CONTROL RACK FURNISHED AND INSTALL BY VENDOR. ELECTRICAL CONTRACTOR TO PROVIDE 50AMP 120/208V 3 PHASE FEEDER CONNECTION FROM PANELBOARD. HOMERUN 1" C WITH (4) #6 THWN AND (1) #10 CU GROUND.
- EMERGENCY STOP FURNISHED AND INSTALL BY VENDOR. ELECTRICAL CONTRACTOR TO INSTALL (11/34" CONDUIT ONLY TO LOW VOLTAGE CABINET PER VENDOR'S DRAWINGS
- HIGH VOLTAGE OR LOW VOLTAGE PULL BOX (12"X12"X8") ENCLOSURE TYPE 4 PER VENDOR'S REQUIREMENT. FURNISHED AND INSTALL BY ELECTRICAL CONTRACTOR. PROVIDE 2" CONDUIT BETWEEN PULLBOXES PER VENDOR'S PLANS
- TEMPERATURE SENSOR FURNISHED AND INSTALL BY VENDOR. ELECTRICAL CONTRACTOR TO INSTALL (11/34" CONDUIT ONLY TO LOW VOLTAGE CABINET PER VENDOR'S PLANS. COORDINATE EXACT LOCATION AND WITH VENDOR'S DRAWINGS
- ELECTRICAL CONNECTION STUB-UP TO FURNITURE PROP PER VENDOR PLANS. EC TO INSTALL 1" C CONDUIT ONLY TO HIGH VOLTAGE CABINET PER VENDOR'S PLANS. COORDINATE EXACT LOCATION WITH VENDOR PRIOR TO ROUGH-IN.



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STATE OF CALIFORNIA
EXP: 06/30/26
PERMIT APPROVAL STAMP

PERMIT NO		C21-777 & C21-778
NO	REVISION	DATE
	BID SET	08-21-2023
AS1 02	AS1 02	02-14-2023
AS1 002	AS1 002 REV 1	04-16-2024
AS1 002	AS1 002 REV 2	12-05-2024

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER
Christopher M. Jose

DRAWN BY
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CHECKED BY
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CONSULTANT JOB NO
20-8119

DATE
3/04/2022

PROJECT TITLE AND ADDRESS

VENTURA COUNTY FIRE TRAINING CENTER

165 DURLY AVE
CAMARILLO, CA 93010

COUNTY SPEC NUMBER
CP23-02

COUNTY PROJECT NUMBER
P6T18021

COUNTY DWG NO
SHEET 121 of 123

SHEET TITLE
BURN BUILDING

SECOND FLOOR

ELECTRICAL PLAN

SHEET NO
CP23-02

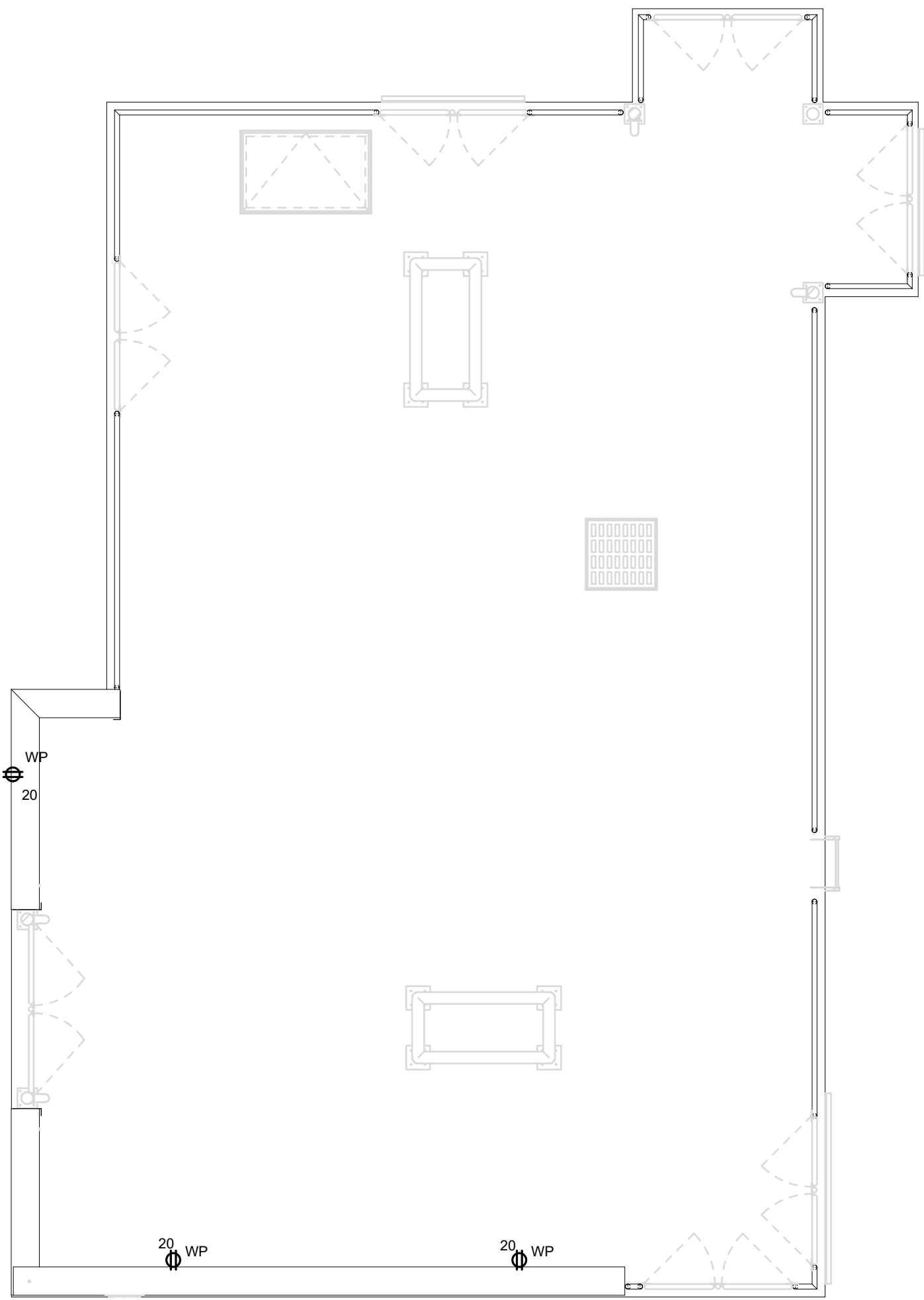
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B2-E102

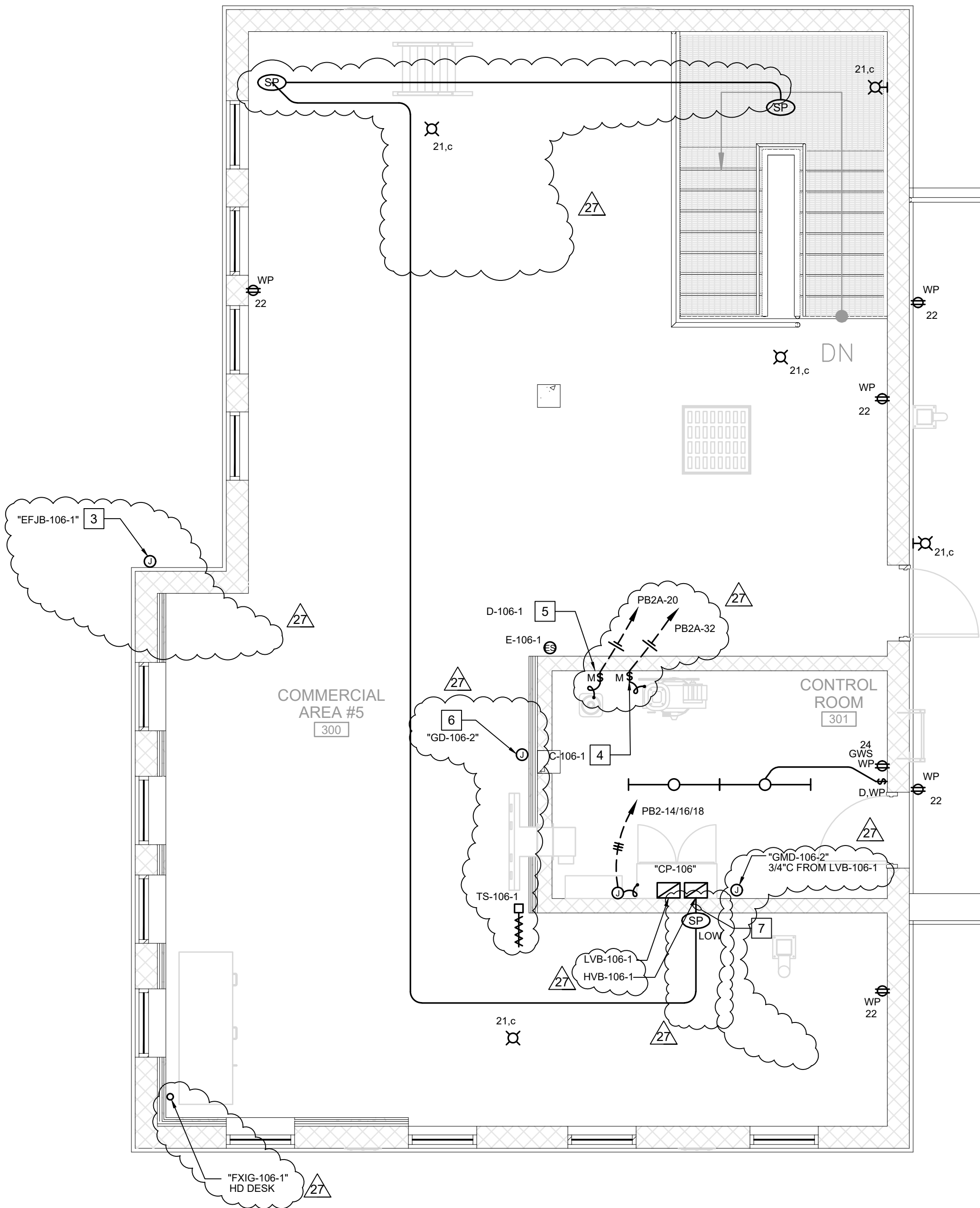


MULTI-PURPOSE BUILDING SECOND FLOOR ELECTRICAL PLAN

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



MULTI-PURPOSE BUILDING FOURTH FLOOR ELECTRICAL PLAN
SCALE: 3/16" = 1'-0"
NORTH



MULTI-PURPOSE BUILDING THIRD FLOOR ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"
NORTH

REFERENCE NOTES

- DOWN TO SPEAKER.
- CONNECT TO EQUIPMENT PROP. HOMERUN 1" C (BRANCH CIRCUIT) TO CONTROL RACK.
- EXHAUST FAN. EC TO INSTALL 3/4" C (BRANCH CIRCUIT) ONLY TO HIGH VOLTAGE CABINET. BRANCH CIRCUIT WIRING AND DISCONNECT FURNISHED AND INSTALL BY VENDOR.
- CONNECT TO AIR COMPRESSOR (2HP, 15FLA, 120V, 10). VENDOR TO TO INSTALL AND CONNECT, EC TO PROVIDE BRANCH CIRCUIT CONDUIT AND DISCONNECT TO PANEL ONLY.
- CONNECT TO AIR DRYER (1/8HP, 2.52FLA, 120V, 10). VENDOR TO TO INSTALL AND CONNECT, EC TO PROVIDE BRANCH CIRCUIT CONDUIT AND DISCONNECT TO PANEL ONLY.
- GAS DETECTION MONITOR. PROVIDE 3/4" CONDUIT TO LOW VOLTAGE CABINET PER VENDOR'S PLANS. VERIFY EXACT LOCATION WITH VENDOR PRIOR TO ROUGH-IN.
- HOMERUN 3/4" C TO SPEAKER PULLBOX IN ROOM 203A.

LEGEND

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- 49W 4FT STRIP LED LIGHT, WET LOCATION RATED WITH INTEGRAL MOTION SENSOR (LITHONIA #VAP-6000LM FST-MD-MVOLTG210-40K-80CRI-WLX DL-MS110NWLL)
- SPEAKER FURNISHED AND INSTALL BY VENDOR. ELECTRICAL CONTRACTOR TO INSTALL (1)3/4" CONDUIT ONLY AS SHOWN AND HOMERUN TO LOW VOLTAGE CABINET. LOW VOLTAGE WIRING BY VENDOR. COORDINATE EXACT LOCATION AND WITH VENDOR'S DRAWINGS. "LOW" DENOTES MOUNT AT STANDARD HEIGHT +15" AFF.
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SHEET 122 of 123

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ELECTRICAL PLAN

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B2-E103