



CLIENT: QUINN CONSTRUCTION LTD.
PROJECT: 22 UNIT - 2 STOREY OFFICE COMPLEX
LOCATION: BLACKFALDS, ALBERTA
ATCO PROJECT: 410000386-1

DRAWING LIST:

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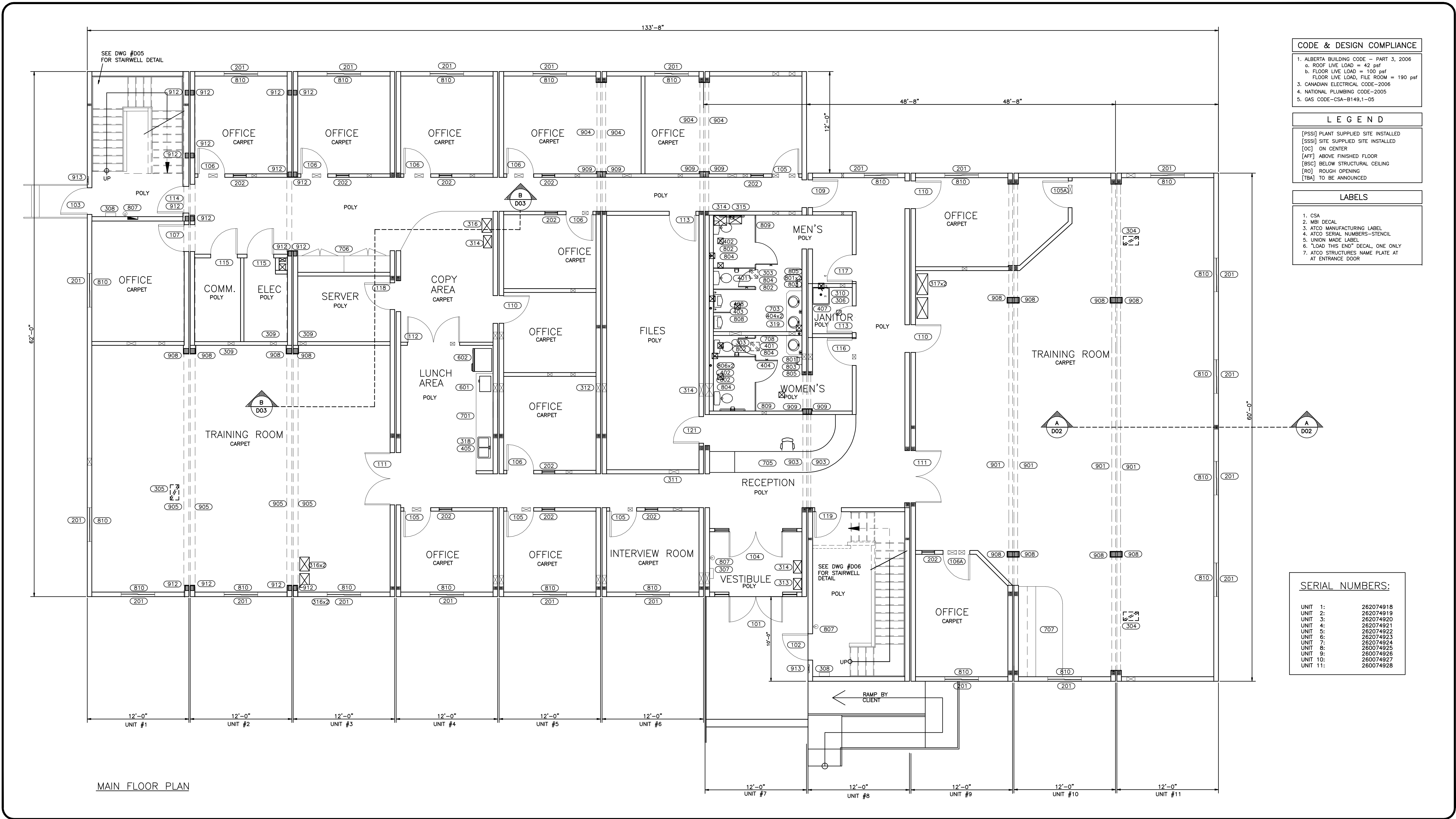
MECHANICAL:

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[illegible]



REV	DATE	DESCRIPTION	BY	INT	CHK
3	14APR09	AS-BUILTS			
2	07DEC07	ISSUE FOR PRODUCTION			
1	19NOV07	ISSUE FOR ACCEPTANCE			
0	07NOV07	ISSUE FOR DOOR/WINDOW REQUISITION			

NOTES:

CUSTOMER ACCEPTANCE

- ☐ - ACCEPTANCE AS DRAWN
☐ - ACCEPTANCE EXCEPT AS NOTED

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APEGGA Permit to Practice #P02312

SCALE: 3/16"=1'-0"

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APPROVED BY: _____

DATE: _____

DATE: _____

CLIENT:

QUINN CONSTRUCTION LTD.

PROJECT:

22 UNIT - 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY: _____ DATE: _____

CHECKED BY: _____ DATE: _____

DRAWING TITLE:

COMPLEX FLOOR PLAN
FIRST FLOOR

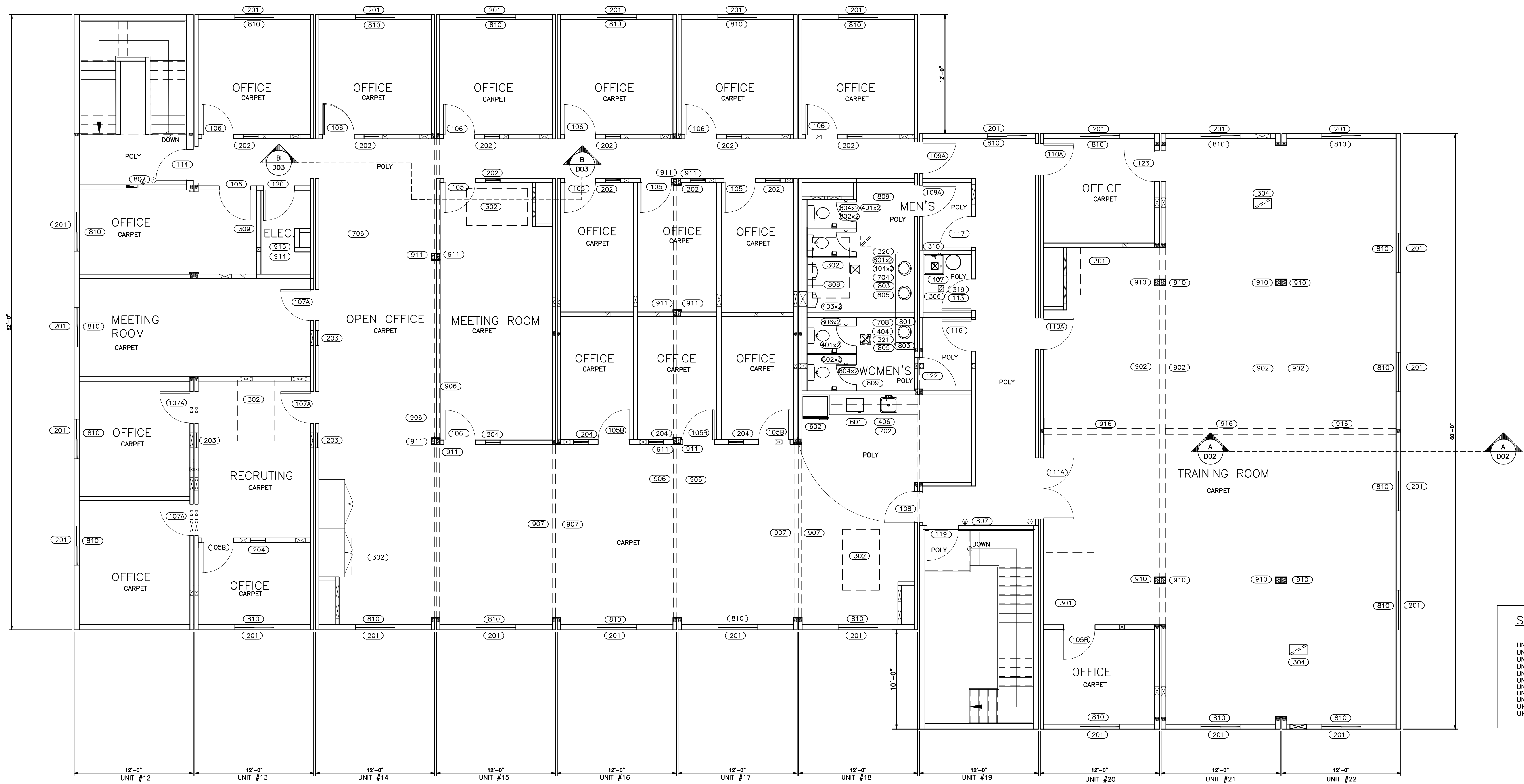
DRAWING NO:

D-410000386-1-A01

REVISION

3

ATCO structures



SERIAL NUMBERS:		
UNIT 12:	262074929	
UNIT 13:	262074930	
UNIT 14:	262074931	
UNIT 15:	262074932	
UNIT 16:	262074933	
UNIT 17:	262074934	
UNIT 18:	262074935	
UNIT 19:	260074936	
UNIT 20:	260074937	
UNIT 21:	260074938	
UNIT 22:	260074939	

SECOND FLOOR PLAN

REV	DATE	DESCRIPTION	BY	INT	CHK
3	14APR09	AS-BUILTS			
2	07DEC07	ISSUE FOR PRODUCTION			
1	19NOV07	ISSUE FOR ACCEPTANCE			
0	07NOV07	ISSUE FOR DOOR/WINDOW REQUISITION			

NOTES:

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SCALE: 3/16"=1'-0"

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DATE: _____

CLIENT:

QUINN CONSTRUCTION LTD.

PROJECT:

22 UNIT - 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

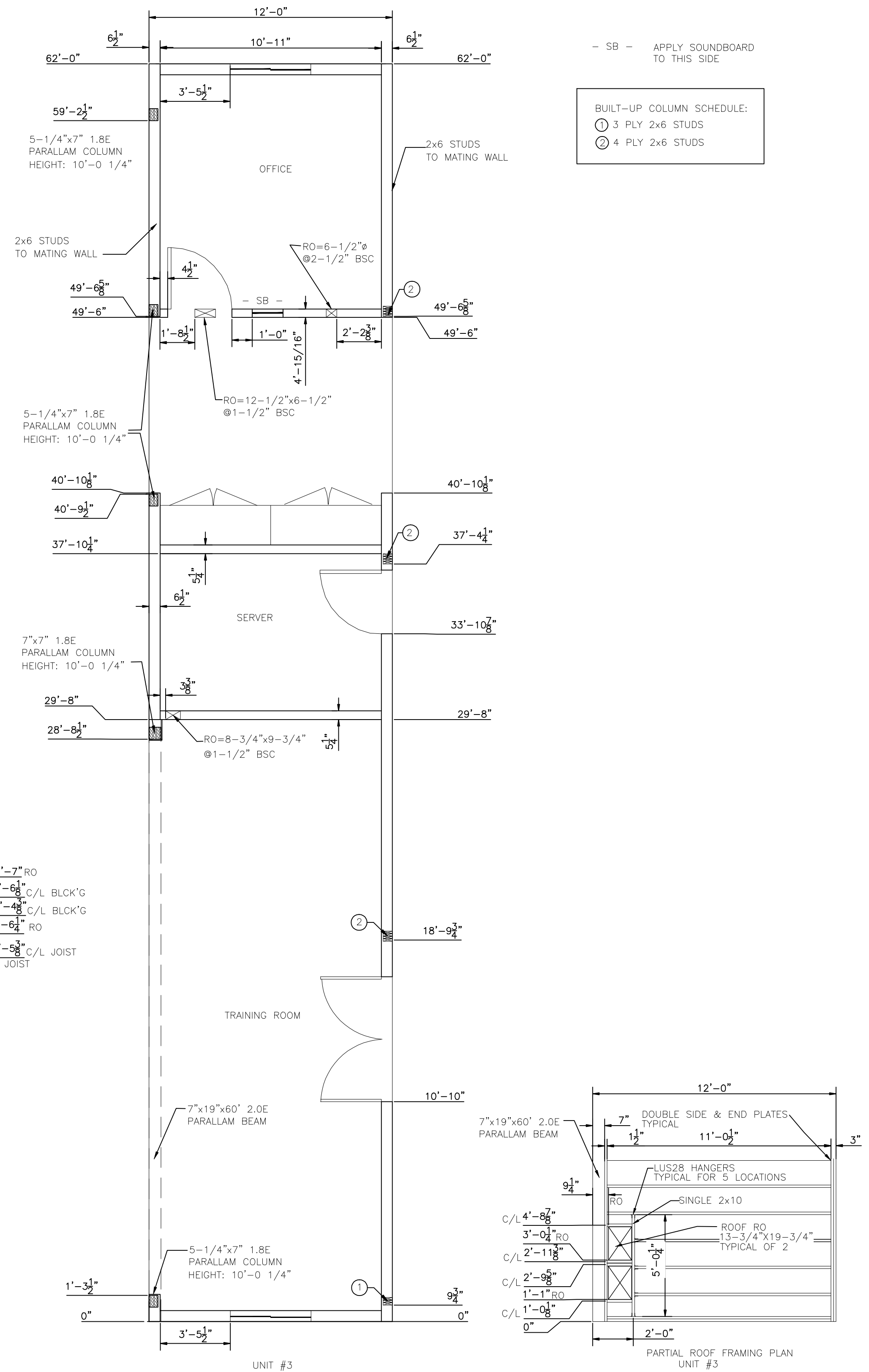
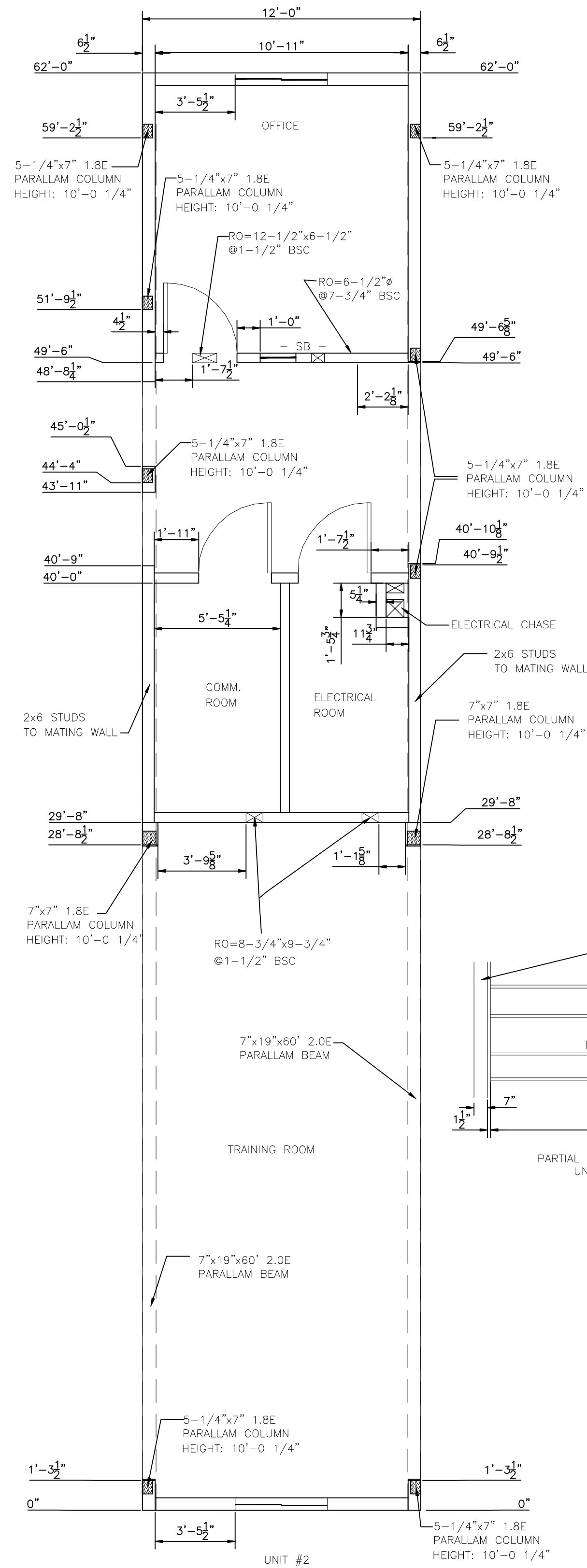
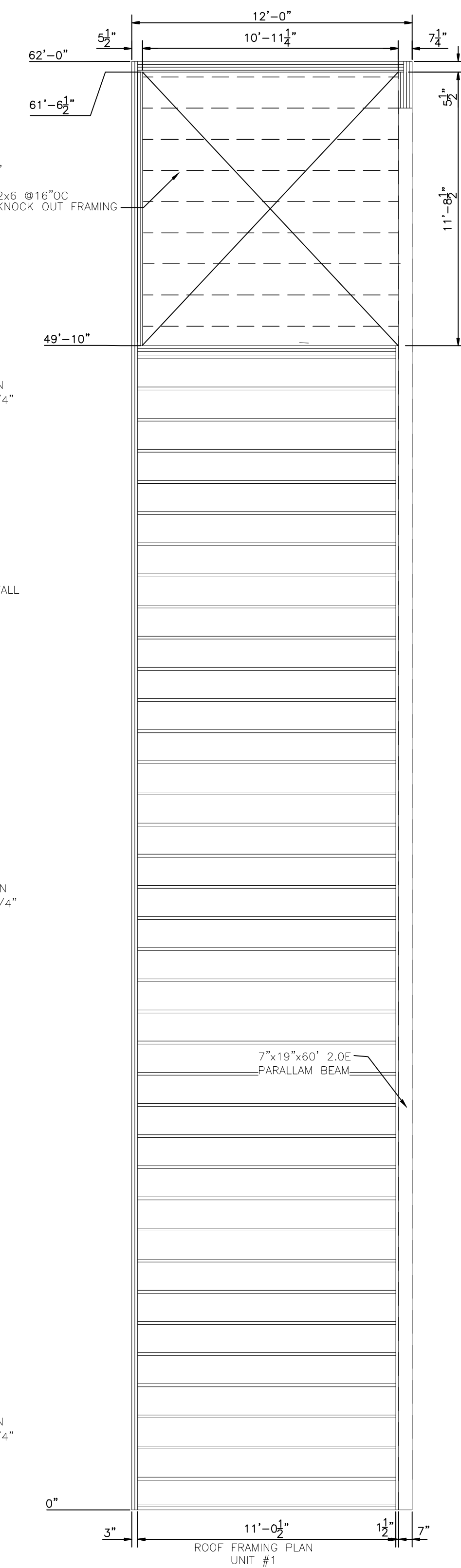
ISSUED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____

DRAWING TITLE:

COMPLEX FLOOR PLAN
SECOND FLOOR

DRAWING NO: D-410000386-1-A02
REVISION 3

ATCO structures



2	14APR09	AS-BUILTS		AH	
1	07DEC07	ISSUE FOR PRODUCTION		AH	
0	19NOV07	ISSUE FOR ACCEPTANCE		AH	
REV	DATE	DESCRIPTION		BY	INT
				CHK	

NOTES:

CUSTOMER ACCEPTANCE

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DATE: _____

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

DATE:

APPROVED BY:

CLIENT:

QUINN CONSTRUCTION LTD.

PROJECT:

22 UNIT - 2-STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY:	DATE:
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CHECKED BY:	DATE:
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DRAWING TITLE:
FLOOR PLAN UNIT #1,2,3
ROOF FRAMING PLAN UNIT #1,3

DRAWING NO:
D-410000386-1-A03

REVISION

(7)





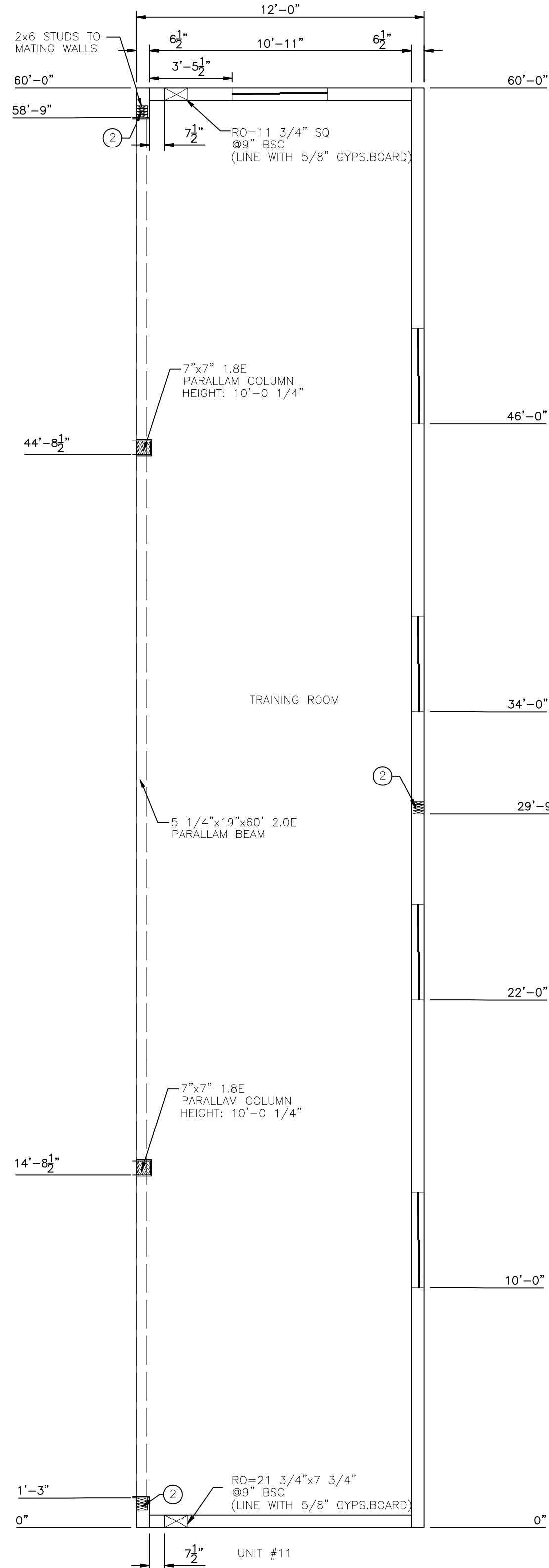
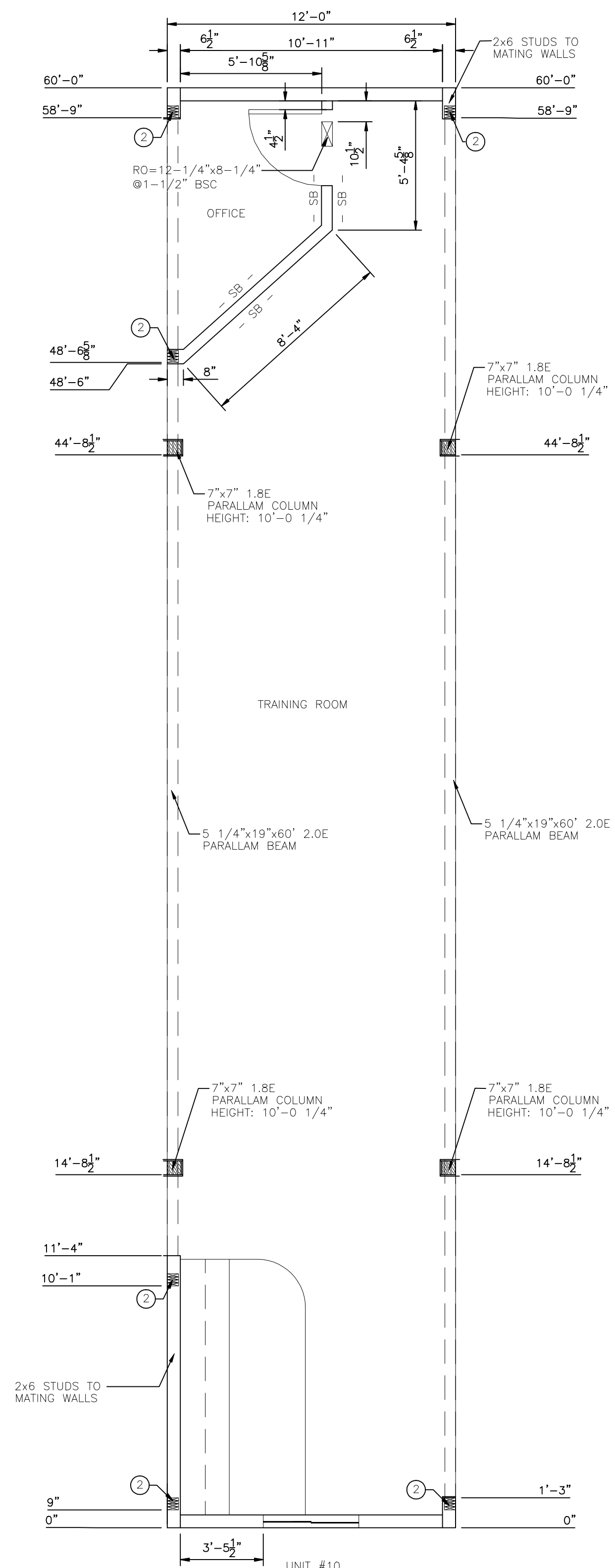
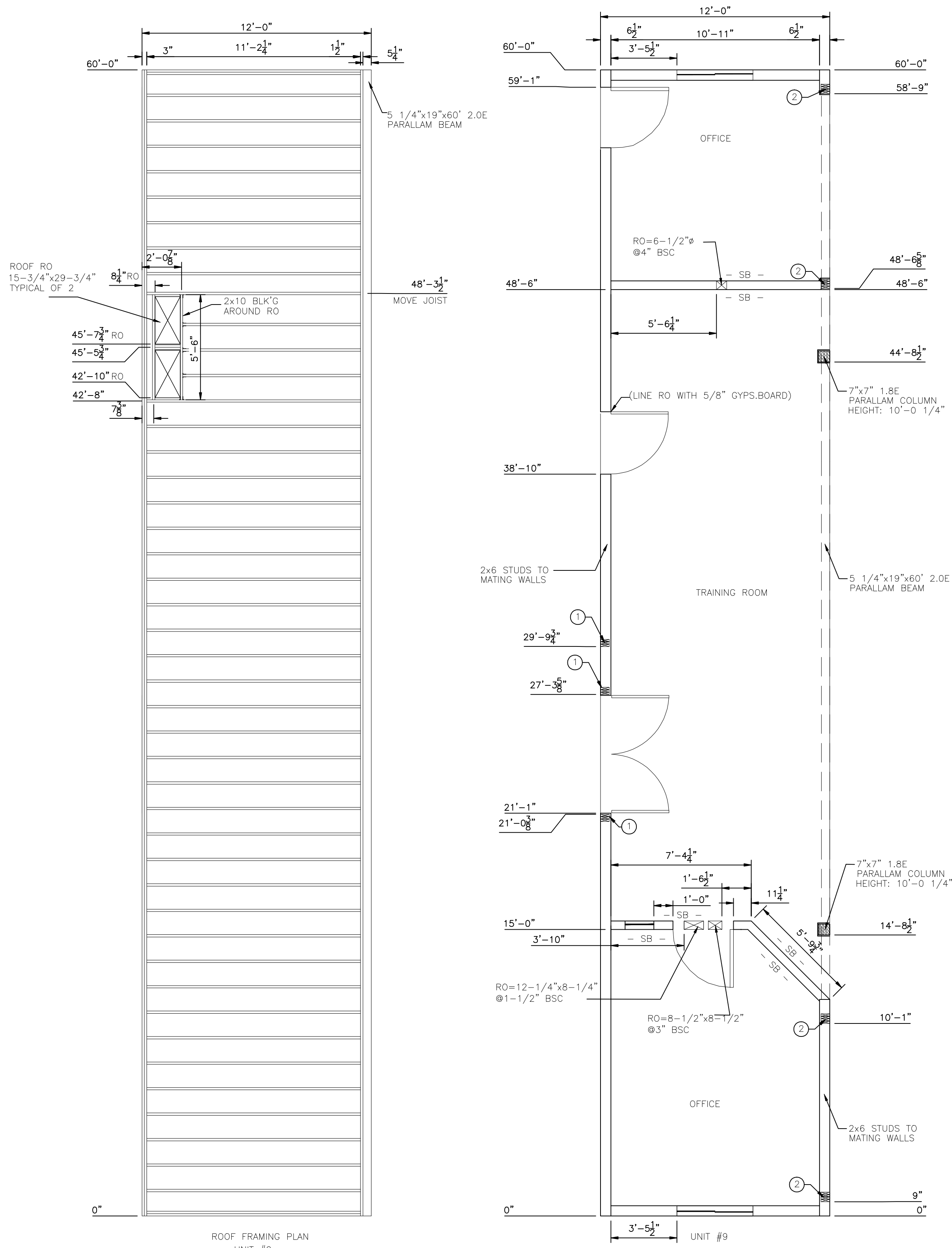
NOTES:

DATE: _____

DATE:

ATCO Structures

FIRST FLOOR



- SB - APPLY SOUNDBOARD TO THIS SIDE

BUILT-UP COLUMN SCHEDULE:
① 3 PLY 2x6 STUDS
② 4 PLY 2x6 STUDS

2	14APR09	AS-BUILTS	AH		
1	07DEC07	ISSUE FOR PRODUCTION	AH		
0	19NOV07	ISSUE FOR ACCEPTANCE	AH		
REV	DATE	DESCRIPTION	BY	INT	CHK

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

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DATE: _____

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CLIENT:

QUINN CONSTRUCTION LTD.

PROJECT:

22 UNIT - 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY: _____

DATE: _____

CHECKED BY: _____

DATE: _____

DRAWING TITLE:

FLOOR PLAN UNIT#9,10,11
ROOF FRAMING PLAN UNIT #9

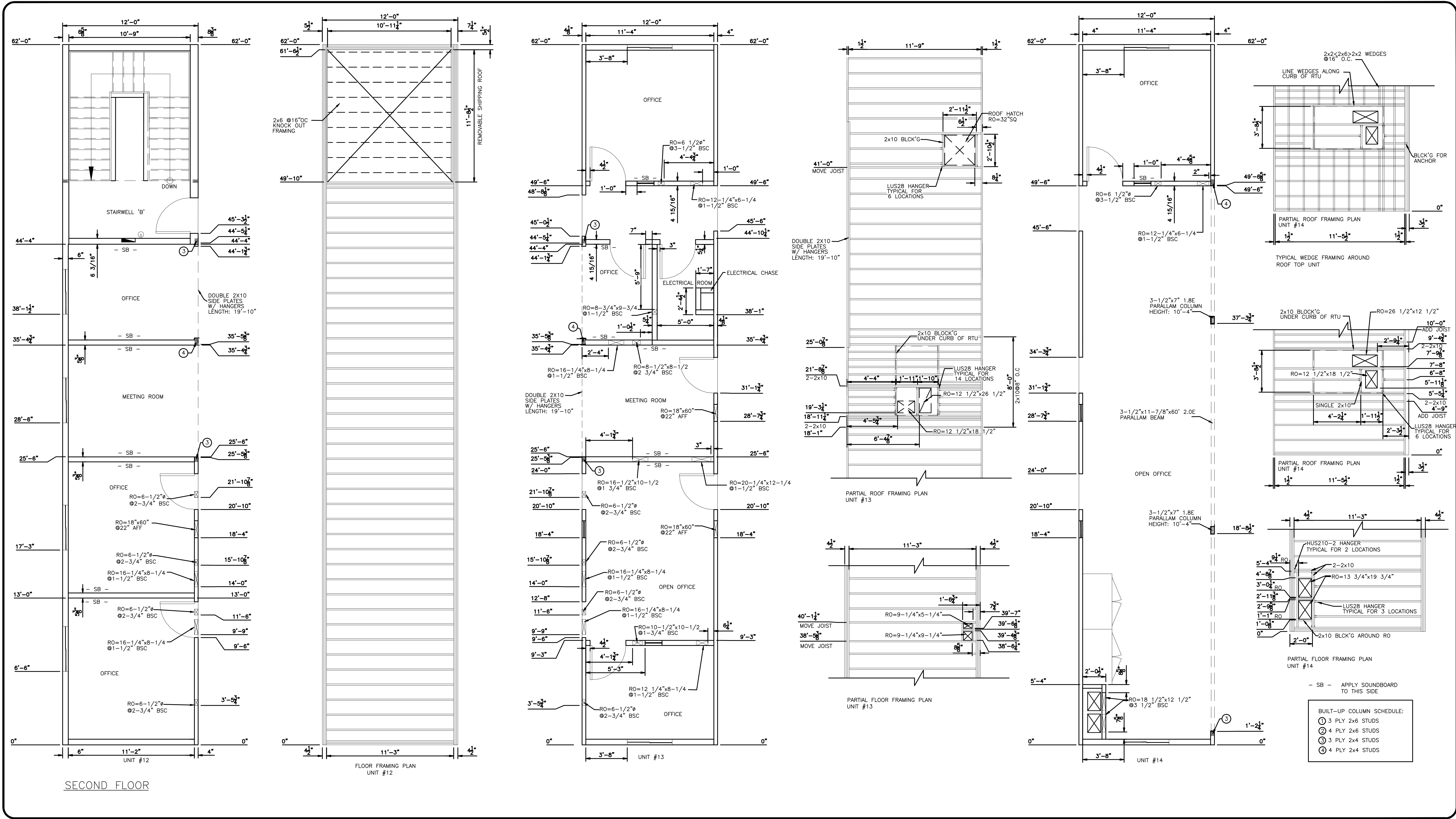
DRAWING NO:

D-410000386-1-A06

REVISION

3

ATCOstructures



2	14APR09	AS-BUILTS		AH	
1	21DEC07	ISSUE FOR PRODUCTION		AH	
0	19NOV07	ISSUE FOR ACCEPTANCE		AH	
REV	DATE	DESCRIPTION	BY	INT	CHK

NOTES:

CUSTOMER ACCEPTANCE

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

CHECKED BY: _____

APPROVED BY: _____

DATE: _____

DATE: _____

CLIENT:

QUINN CONSTRUCTION LTD.

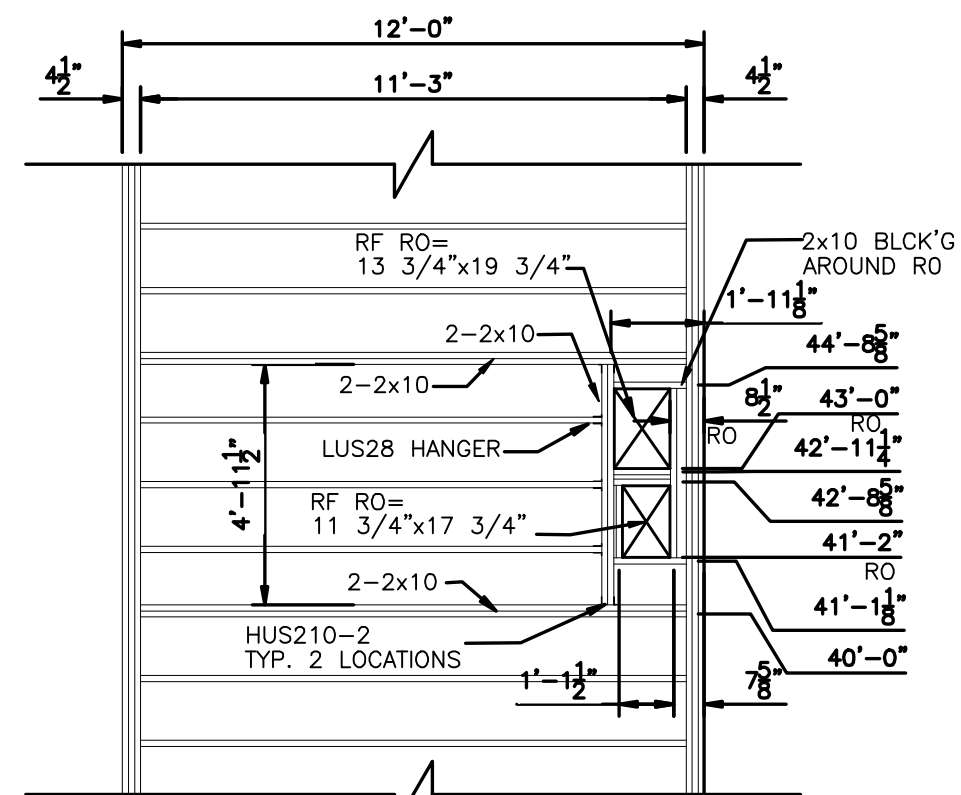
PROJECT:

22 UNIT - 2 STOREY OFFICE COMPLEX

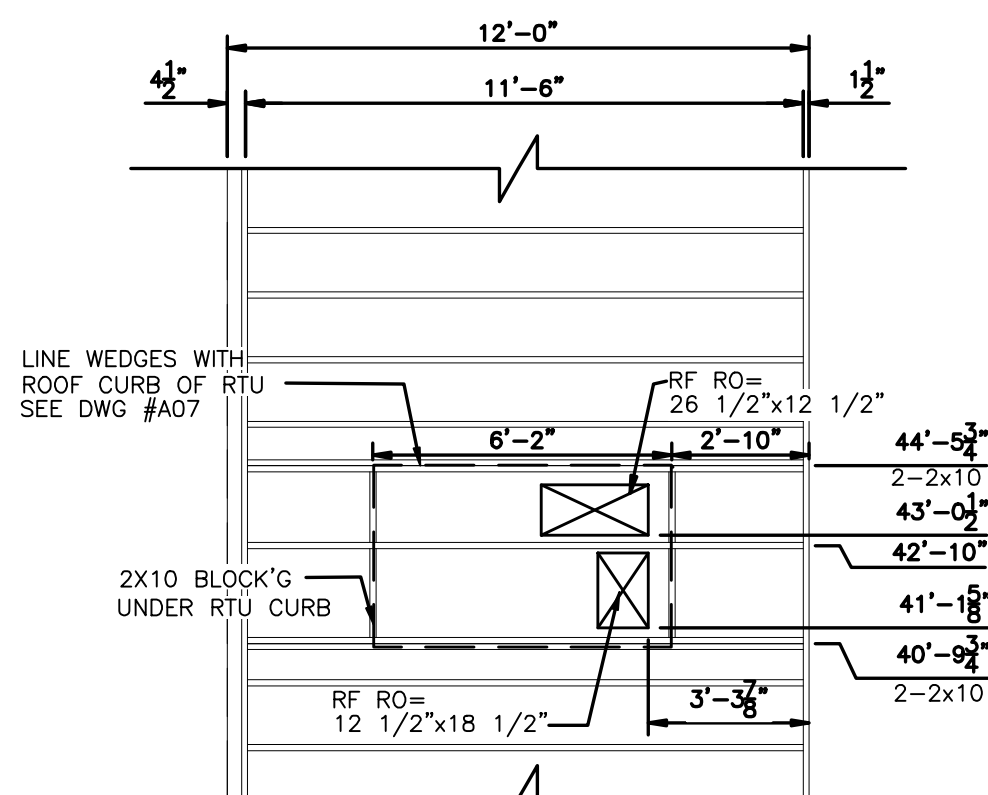
INTERNAL DOCUMENT CONTROL

ISSUED BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
DRAWING TITLE: FLOOR PLAN UNIT #12,13,14 FLOOR FRAMING DETAIL UNIT #12,13,14 ROOF FRAMING PLAN UNIT #13,14	
DRAWING NO: D-410000386-1-A07	REVISION 3

ATCO Structures



PARTIAL FLOOR FRAMING UNIT #15

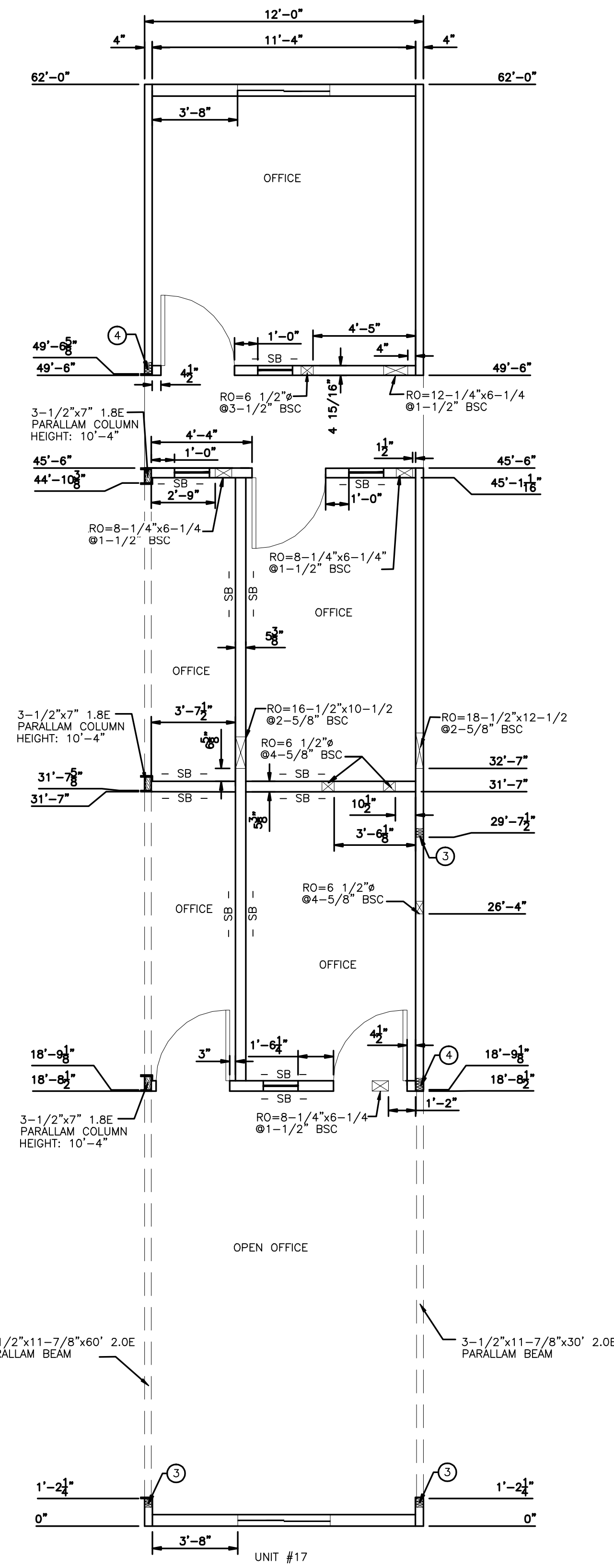
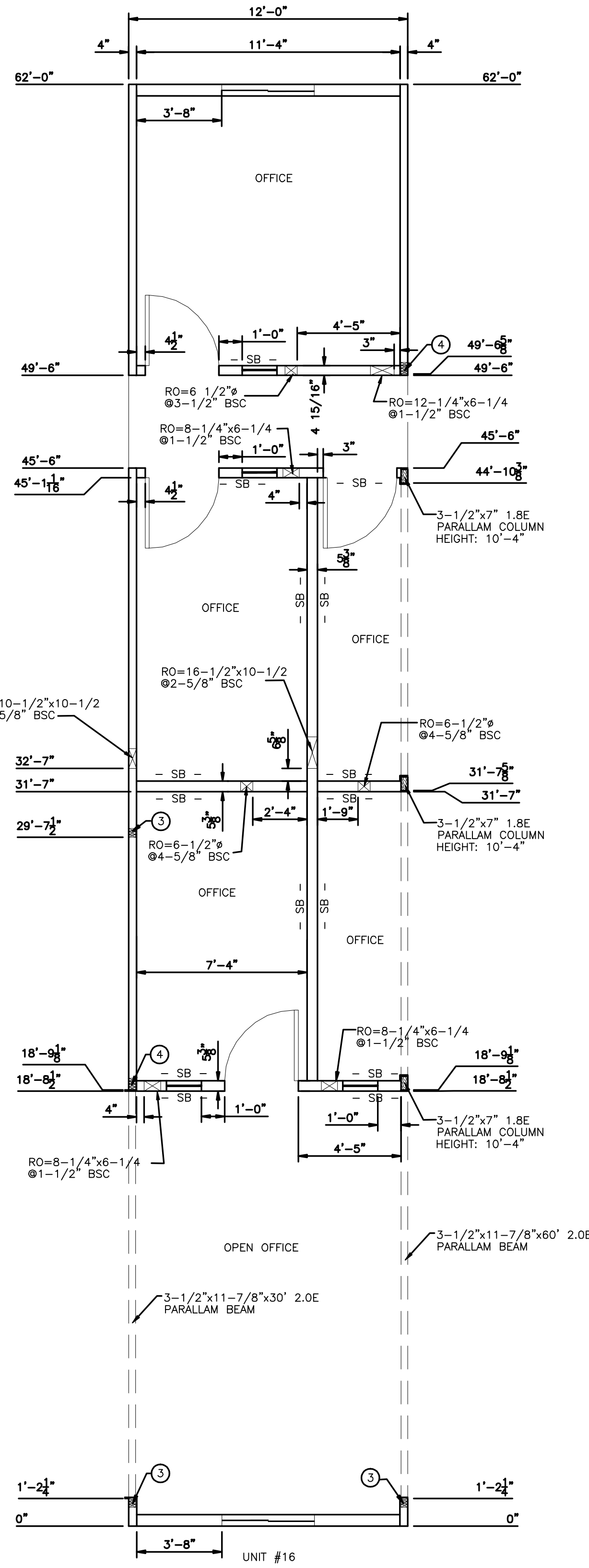
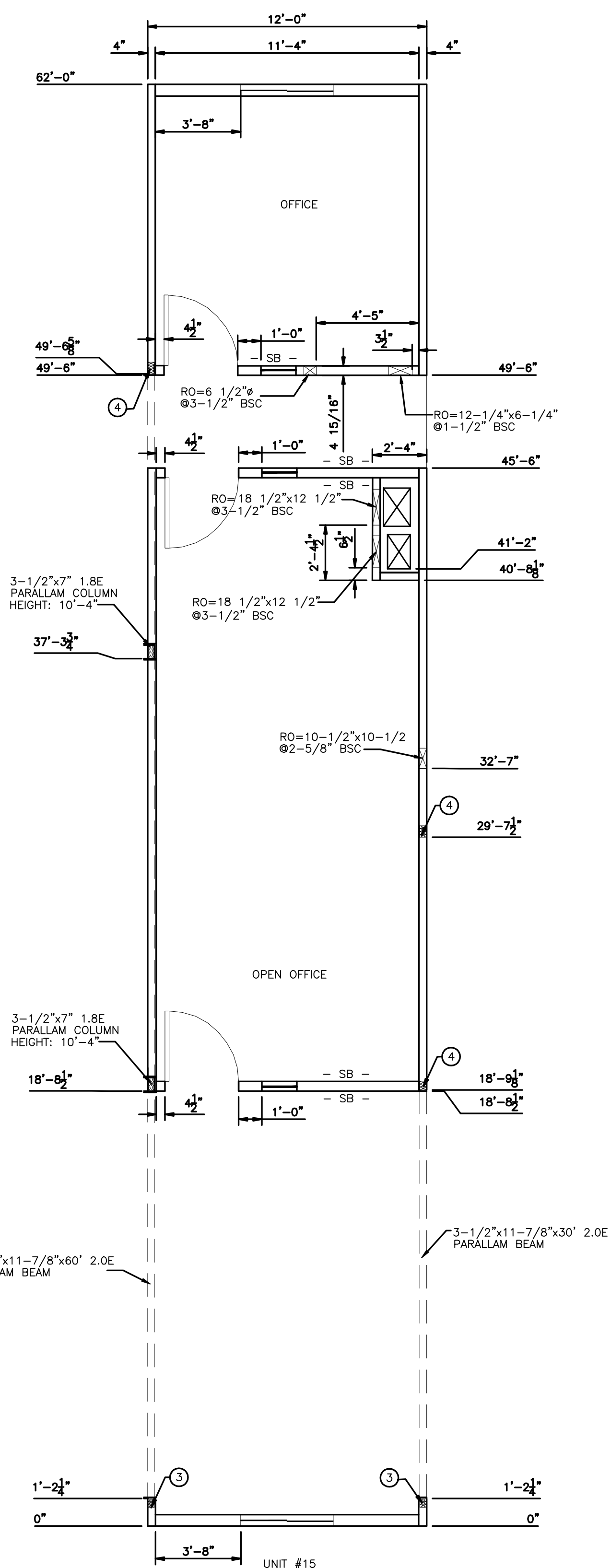


PARTIAL ROOF FRAMING PLAN UNIT #15

- SB - APPLY SOUNDBOARD TO THIS SIDE

- BUILT-UP COLUMN SCHEDULE:
- ① 3 PLY 2x6 STUDS
 - ② 4 PLY 2x6 STUDS
 - ③ 3 PLY 2x4 STUDS
 - ④ 4 PLY 2x4 STUDS

SECOND FLOOR



REV	DATE	DESCRIPTION	BY	INT	CHK
2	14APR09	AS-BUILTS		AH	
1	21DEC07	ISSUE FOR PRODUCTION		AH	
0	19NOV07	ISSUE FOR ACCEPTANCE		AH	

NOTES:

CUSTOMER ACCEPTANCE

☐ - ACCEPTANCE AS DRAWN
☐ - ACCEPTANCE EXCEPT AS NOTED

BY: _____

DATE: _____

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

CHECKED BY: _____ DATE: _____

APPROVED BY: _____ DATE: _____

CLIENT: QUINN CONSTRUCTION LTD.

PROJECT: 22 UNIT - 2-STOREY OFFICE COMPLEX

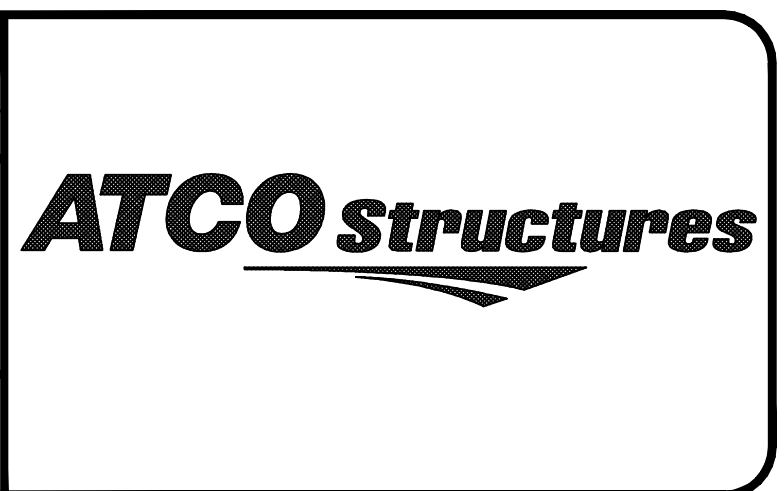
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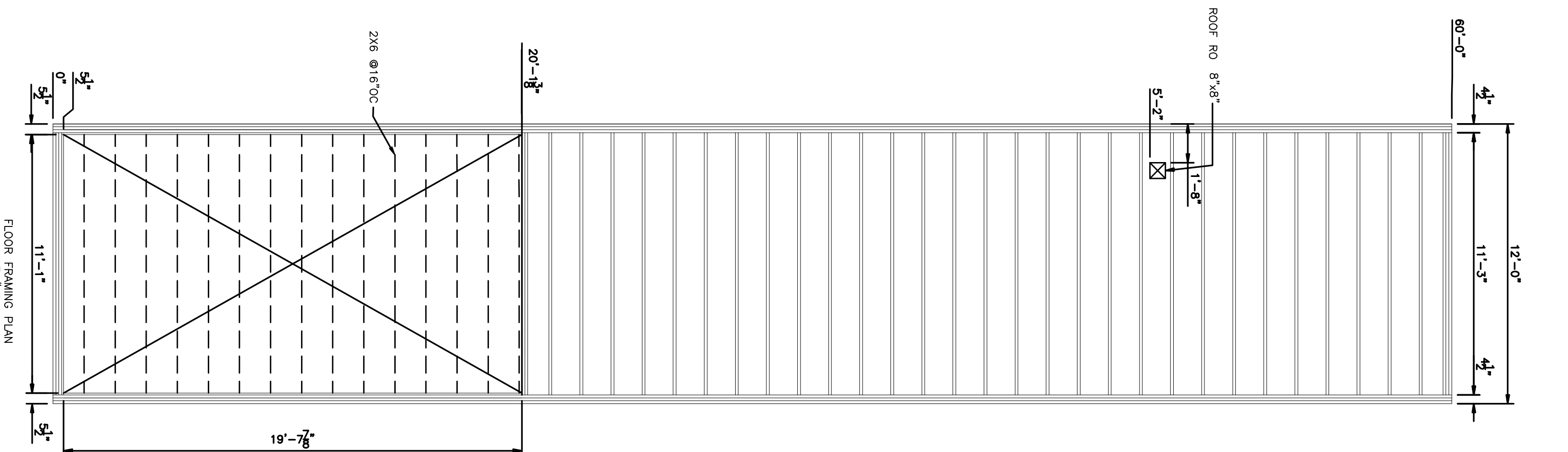
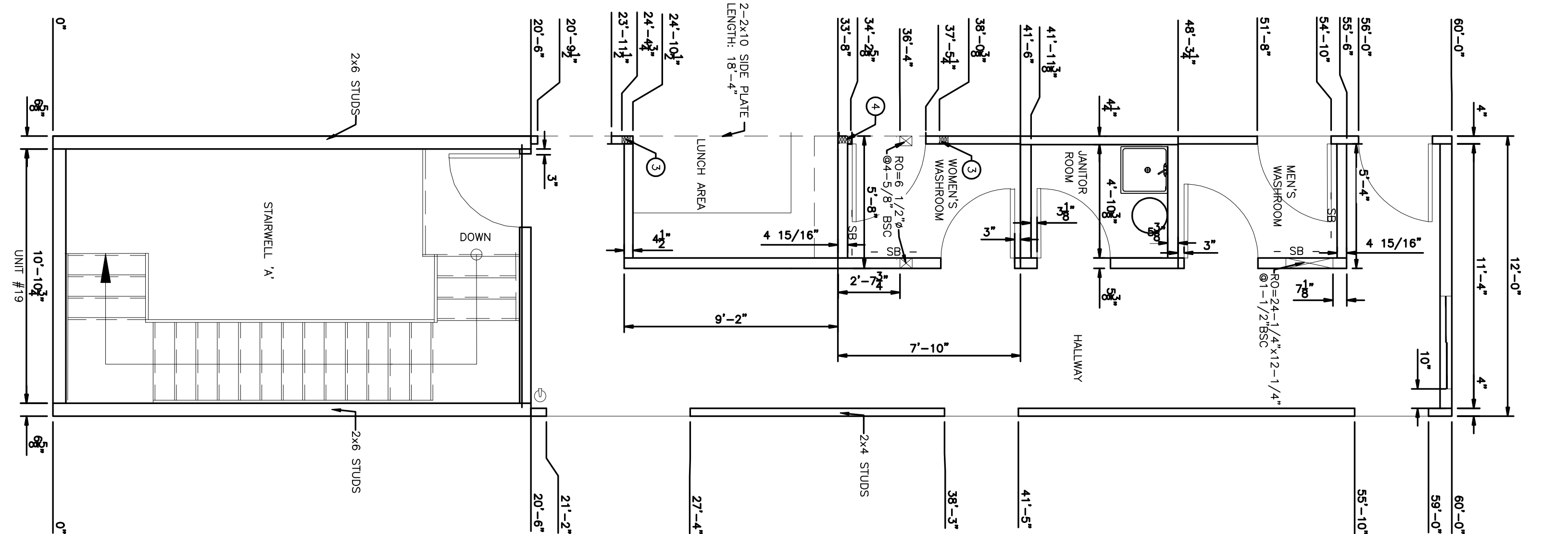
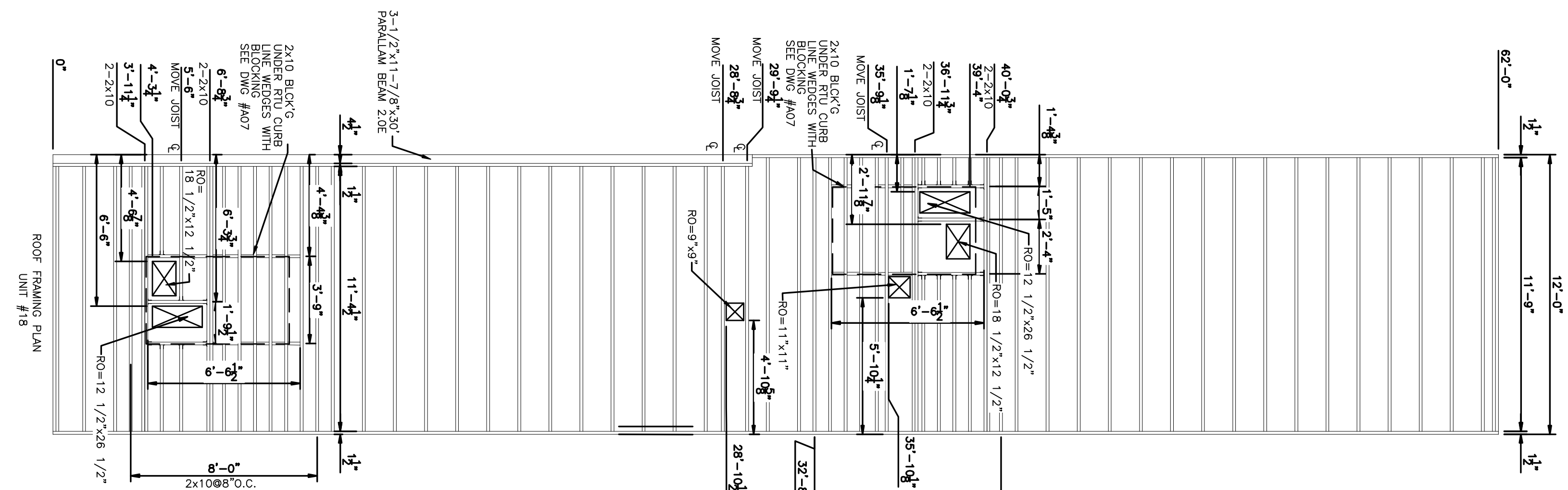
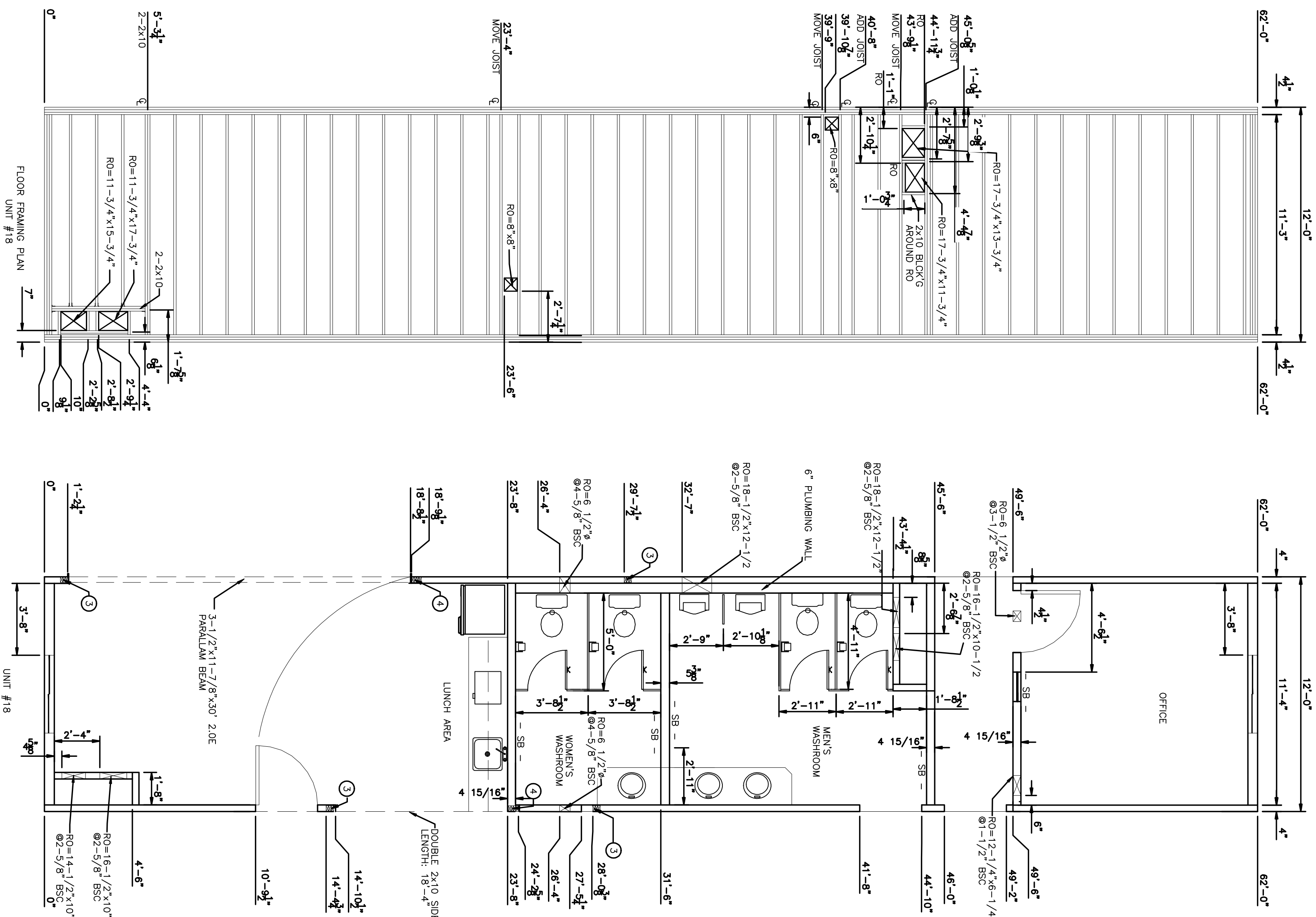
ISSUED BY: _____ DATE: _____

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DRAWING TITLE: FLOOR PLAN UNIT #15,16,17
 ROOF FRAMING DETAIL UNIT #15
 FLOOR FRAMING DETAIL UNIT #15

DRAWING NO: D-410000386-1-A08 REVISION: 3



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NOTES:

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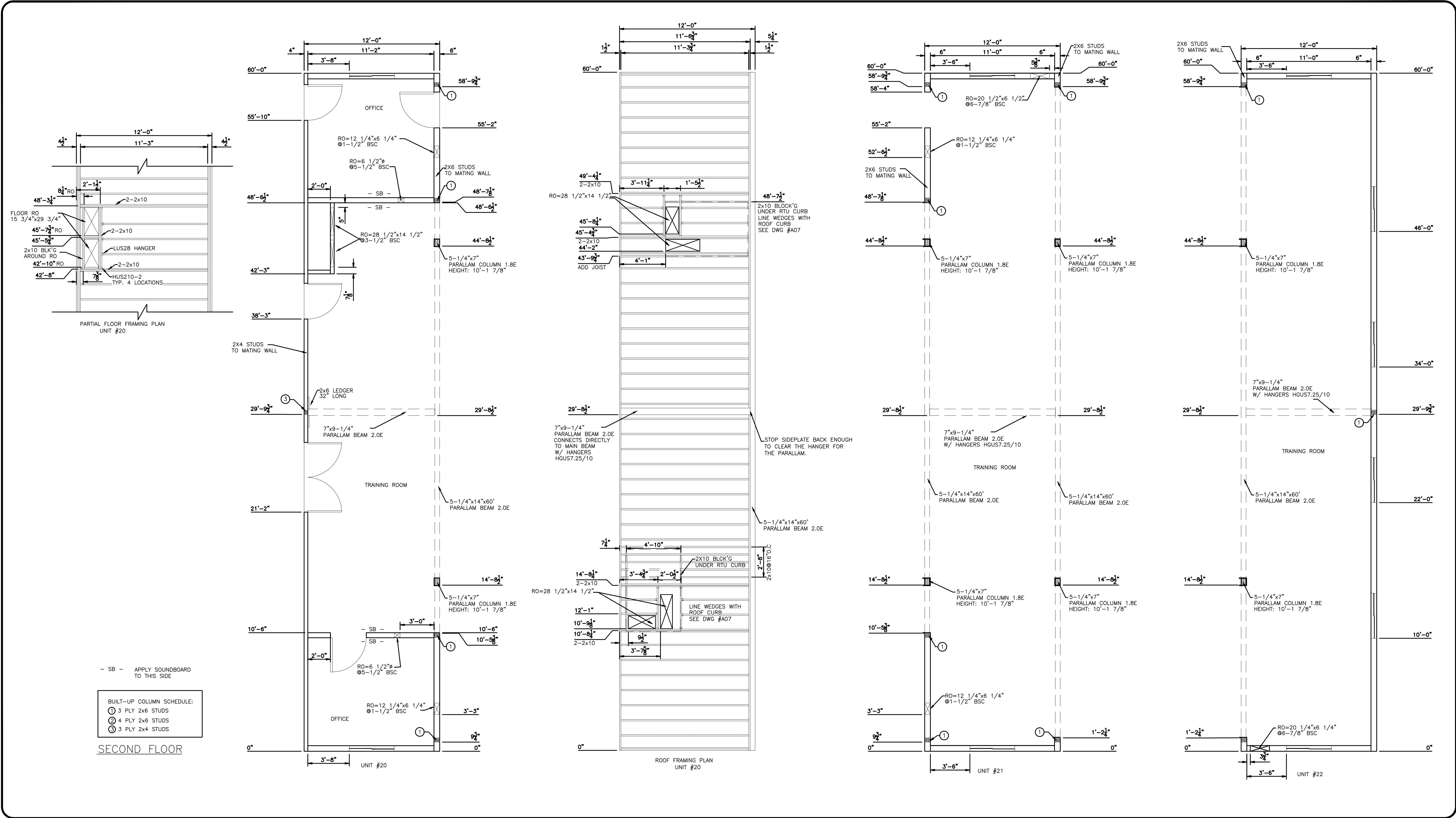
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SCALE:	1/4"=1'-0"
CHECKED BY:	DATE:
APPROVED BY:	DATE:

CLIENT:	QUINN CONSTRUCTION LTD.
PROJECT:	22-UNIT - 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL	
ISSUED BY:	DATE:
CHECKED BY:	DATE:
DRAWING TITLE:	
FLOOR PLAN UNIT #18.19	
FLOOR FRAMING PLAN UNIT #18.19	
ROOF FRAMING PLAN UNIT #18	
DRAWING NO:	REVISION
D-410000386-1-A09	3



2	14APR09	AS-BUILTS		AH	
1	21DEC07	ISSUE FOR PRODUCTION		AH	
0	19NOV07	ISSUE FOR ACCEPTANCE		AH	
REV	DATE	DESCRIPTION	BY	INT	CHK

NOTES:

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

CHECKED BY: _____ DATE: _____
APPROVED BY: _____ DATE: _____

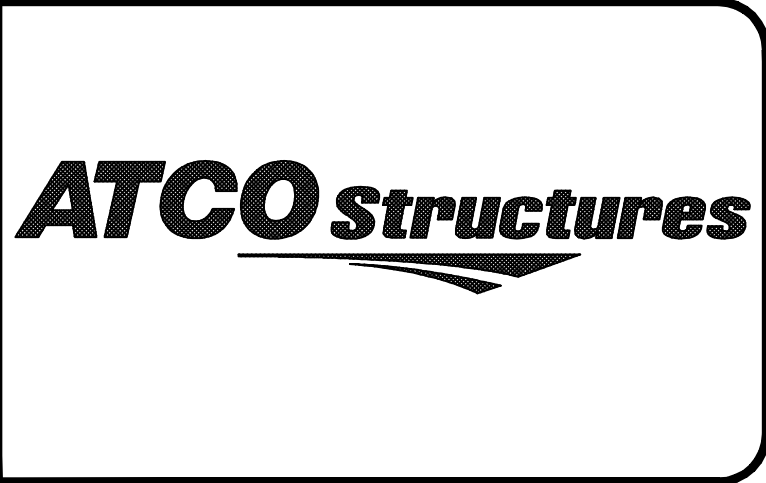
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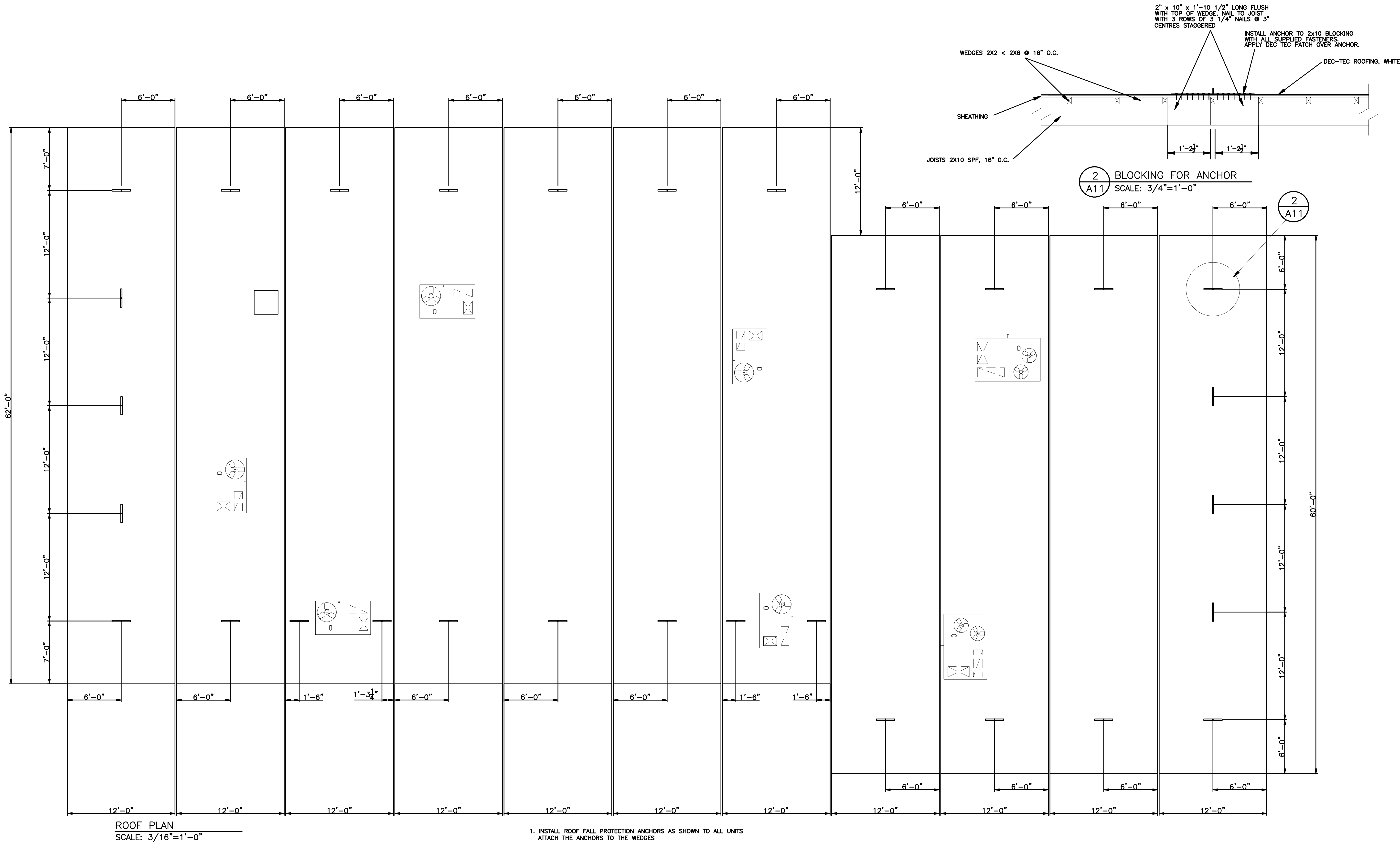
QUINN CONSTRUCTION LTD.

PROJECT:

22 UNIT - 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL	
ISSUED BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
DRAWING TITLE: FLOOR PLAN UNIT #20,21,22 FLOOR FRAMING DETAIL UNIT #20 ROOF FRAMING PLAN UNIT #20	
DRAWING NO: D-410000386-1-A10	REVISION 3





ROOF PLAN
SCALE: 3/16"=1'-0"

1. INSTALL ROOF FALL PROTECTION ANCHORS AS SHOWN TO ALL UNITS
ATTACH THE ANCHORS TO THE WEDGES

1	14APR09	AS-BUILTS	AH		
0	21DEC07	ISSUE FOR PRODUCTION	AH		
REV	DATE	DESCRIPTION	BY	INT	CHK

NOTES:

CUSTOMER ACCEPTANCE

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SCALE: AS SHOWN

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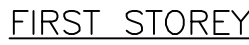
QUINN CONSTRUCTION LTD.

PROJECT:

22 UNIT - 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL	
ISSUED BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
DRAWING TITLE: ROOF PLAN	
DRAWING NO: D-410000386-1-A11	REVISION 3





BUILDING CODE CLASSIFICATION

3.2.2.55. GROUP D, UP TO 2 STOREYS
FLOOR ASSEMBLIES SHALL HAVE A FIRE RESISTANCE RATING OF 45 MIN.
ALL LOAD BEARING WALLS, COLUMNS AND ARCHES SUPPORTING AN ASSEMBLY
REQUIRED TO HAVE A FIRE RESISTANCE RATING SHALL HAVE A FIRE RESISTANCE
RATING OF NOT LESS THAN 45 MIN.

3.3.1.20 (2)
JANITOR ROOMS SHALL HAVE FIRE RESISTANCE RATING OF 45 MIN.

3.4.4.1. (1)
EVERY EXIT SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING
BY A FIRE RESISTANCE RATING OF NOT LESS THAN 45 MIN.



REV	DATE
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NOTES:

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APEGGA Permit to Practice #P02312

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

CHECKED BY:

DATE:

APPROVED BY:

DATE:

CLIENT:

QUINN CONSTRUCTION LTD.

PROJECT:

22 UNIT – 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY:

DATE:

CHECKED BY

DATE:

DRAWING TITLE:

FIRE RATING WALL KEY

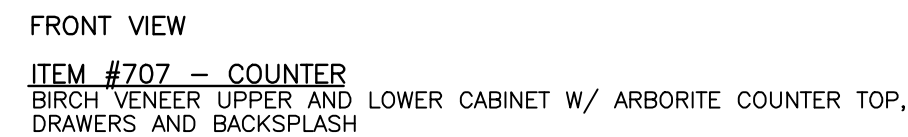
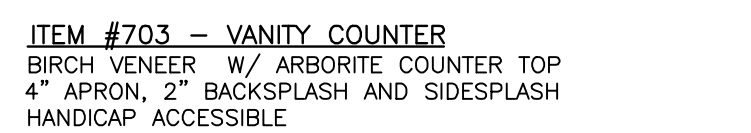
DRAWING NO:

D-410000386-1-A12

REVISION

3

ATCO Structures

NOTES:

DATE: _____

DATE:

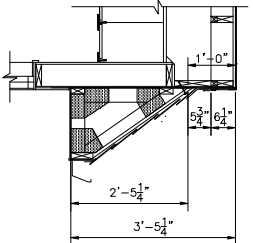
22 UNIT - 2-STOREY OFFICE COMPLEX

REVISION

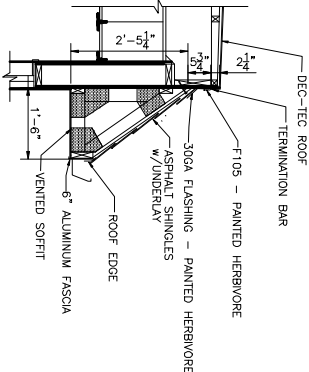
ATCO Structures

NOTE: THIS IS BASED ON USING PILOT CAR
TO GET TO SITE--VERSUS DOING ALL
THE INSTALL FROM A CHERRY PICKER

WANSARD BUILT IN 12' SECTIONS
WANSARD BUILT IN 2' SECTIONS
NOTE: LEAVE OUT 2' SECTIONS AT 1/4 POINTS
(FOR LIFTING SLINGS)

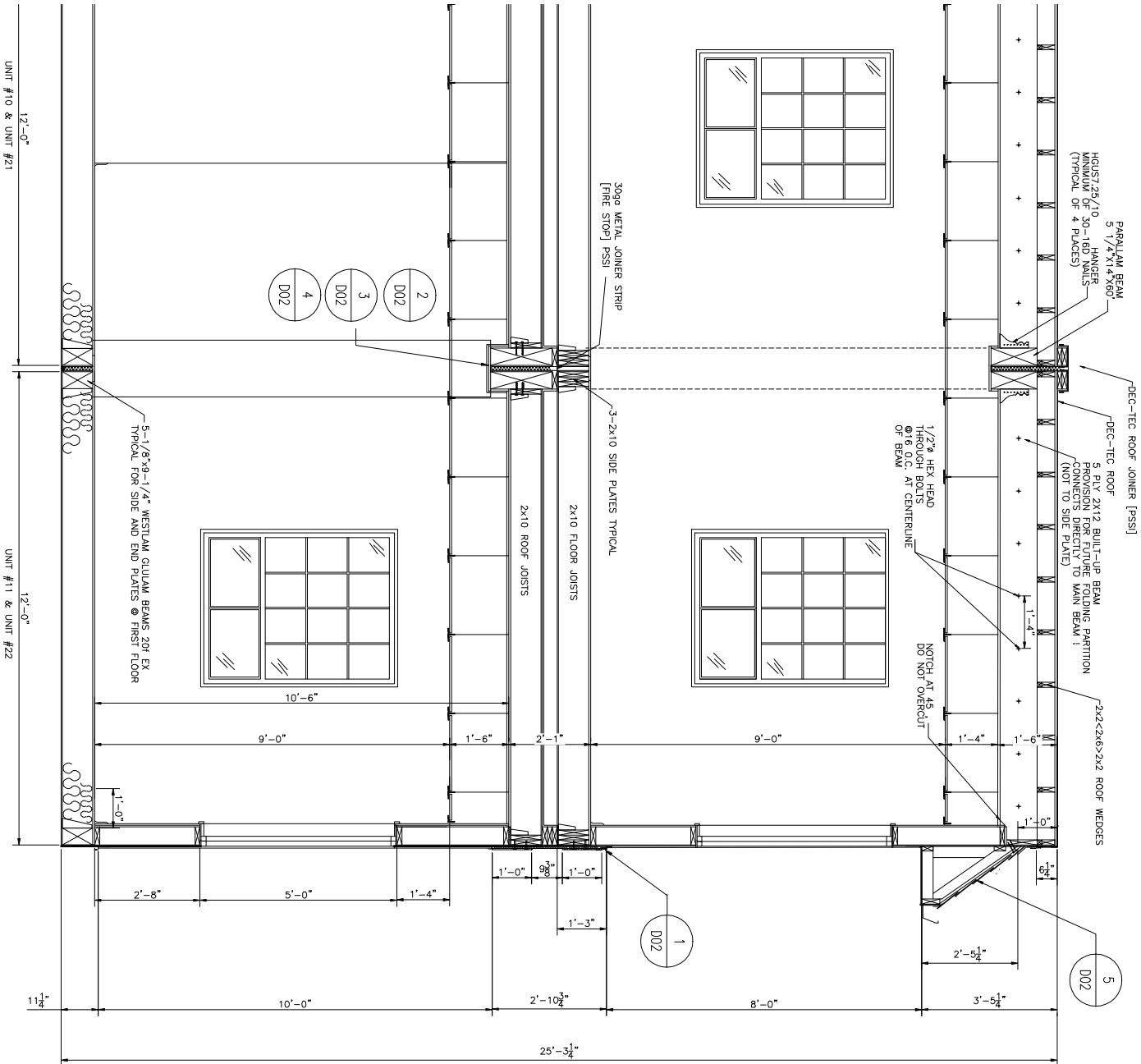
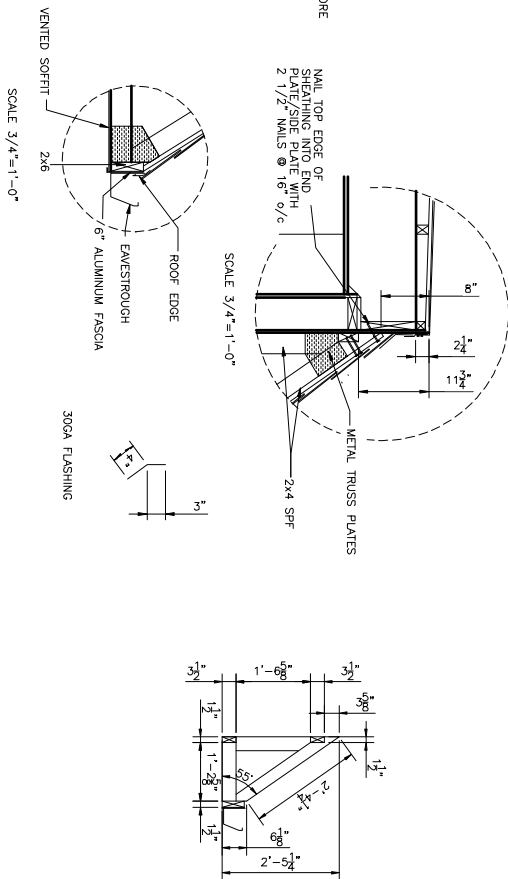


TRUSS CONNECTION ON HIGH SIDE



TRUSS CONNECTION ON LOW SIDE

5 WANSARD TRUSS DETAIL
D02 SCALE 1/2"=1'-0"



A-A SECTION THRU UNIT #10/21 & UNIT #11/22
D02 SCALE 1/2"=1'-0"

CUSTOMER ACCEPTANCE

- ☐ - ACCEPTANCE AS DRAWN
☐ - ACCEPTANCE EXCEPT AS NOTED

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ATCOGA Permit to Practice #020312

CLIENT:
QUINN CONSTRUCTION LTD.

PROJECT:

22 UNIT - 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY: DATE:
CHECKED BY: DATE:

DRAWING TITLE:

BUILDING SECTION A-A

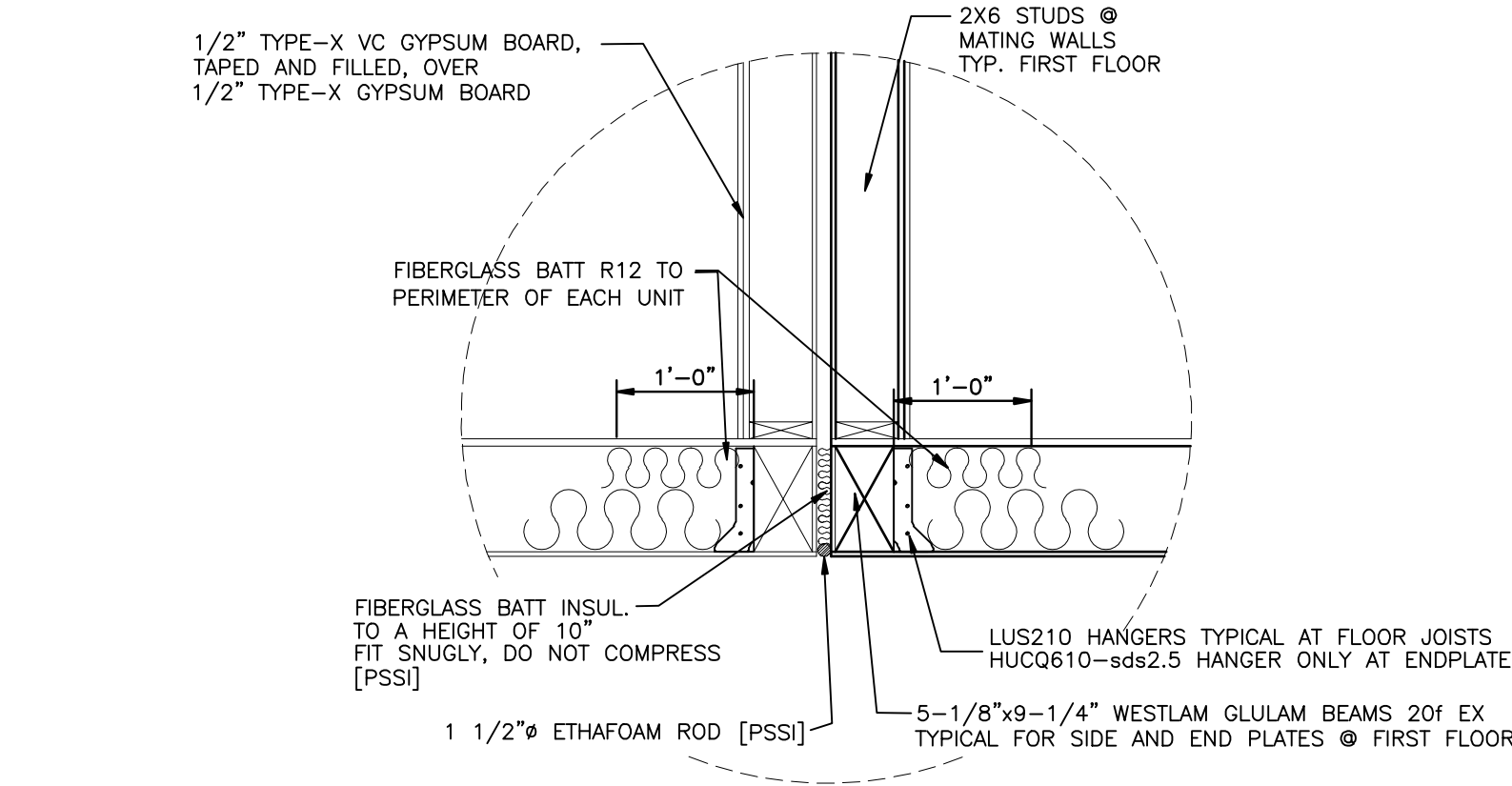
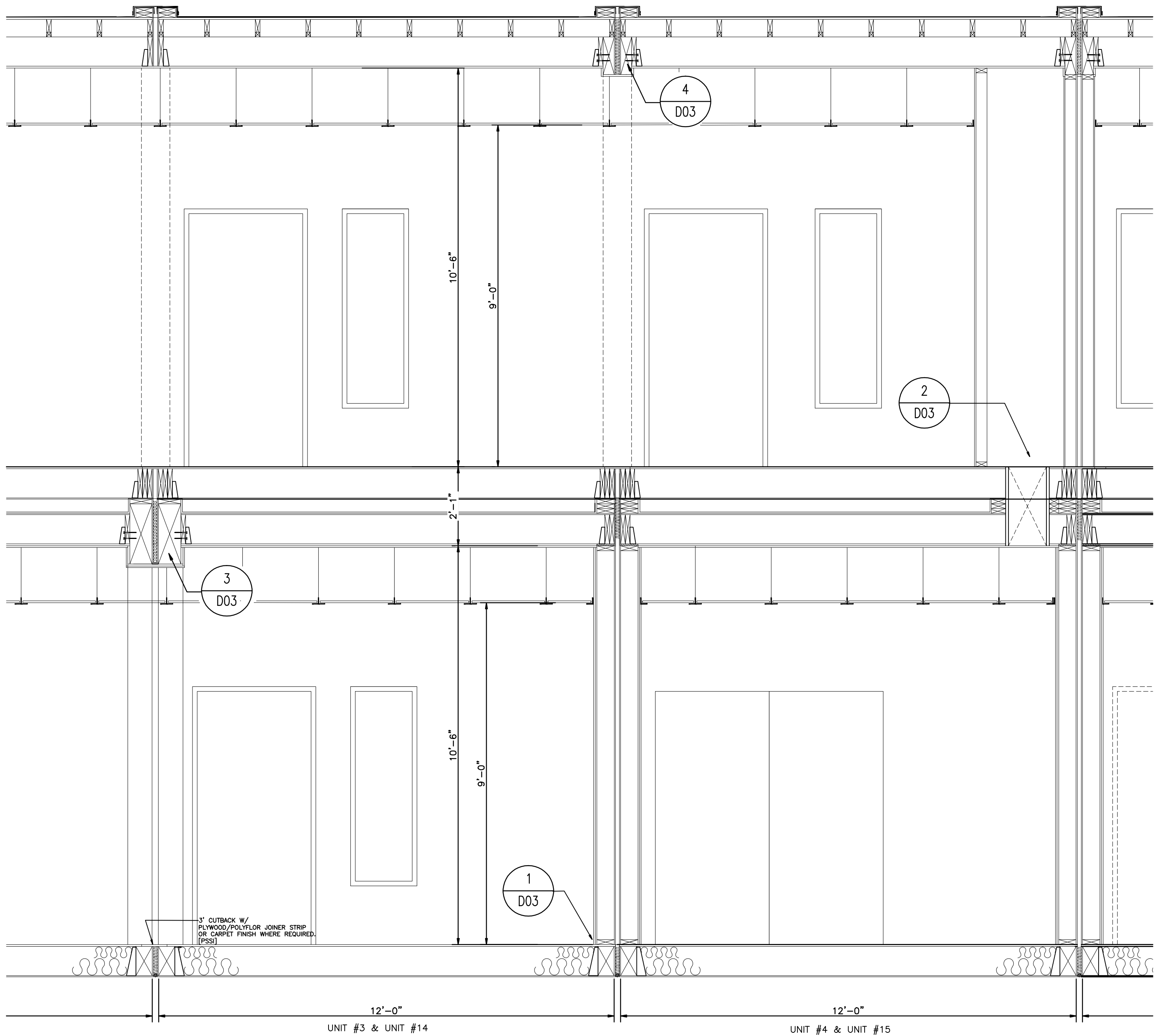
DETAILS

DRAWING NO: D-410000386-1-D02

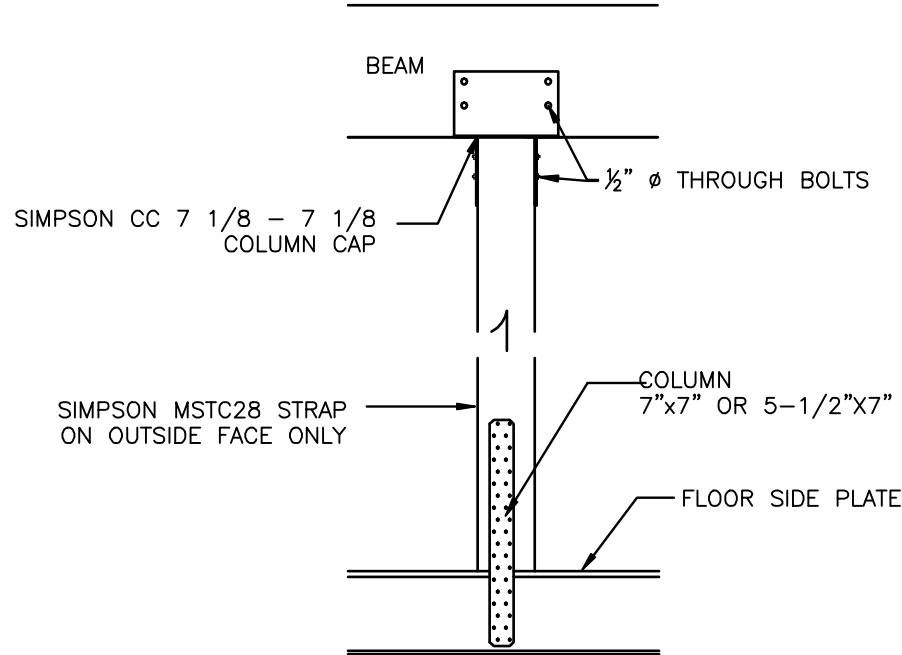
REVISION

3

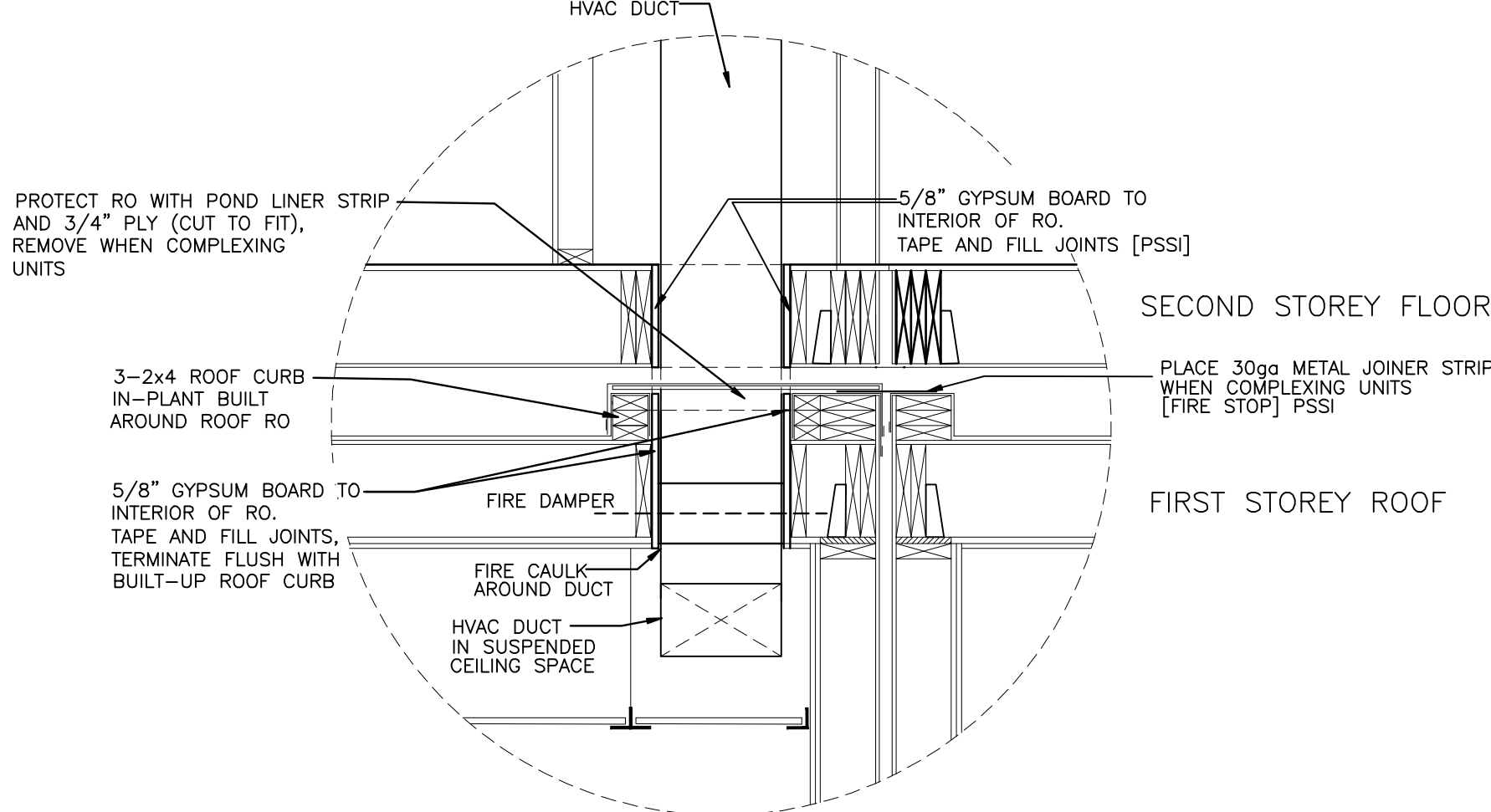
ATCO structures



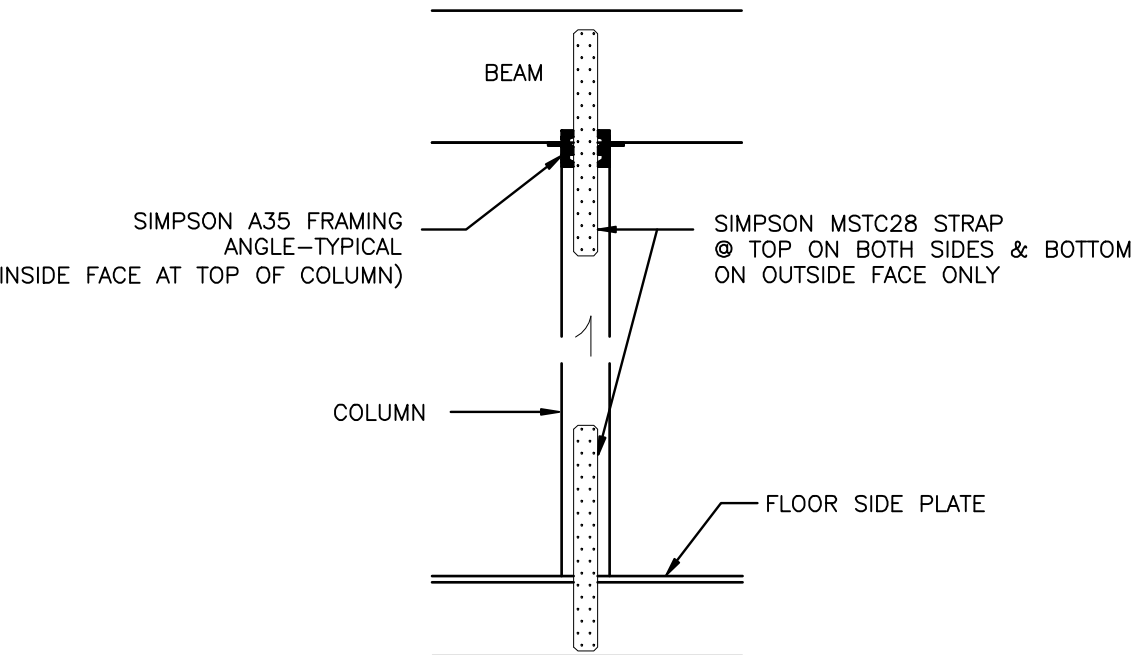
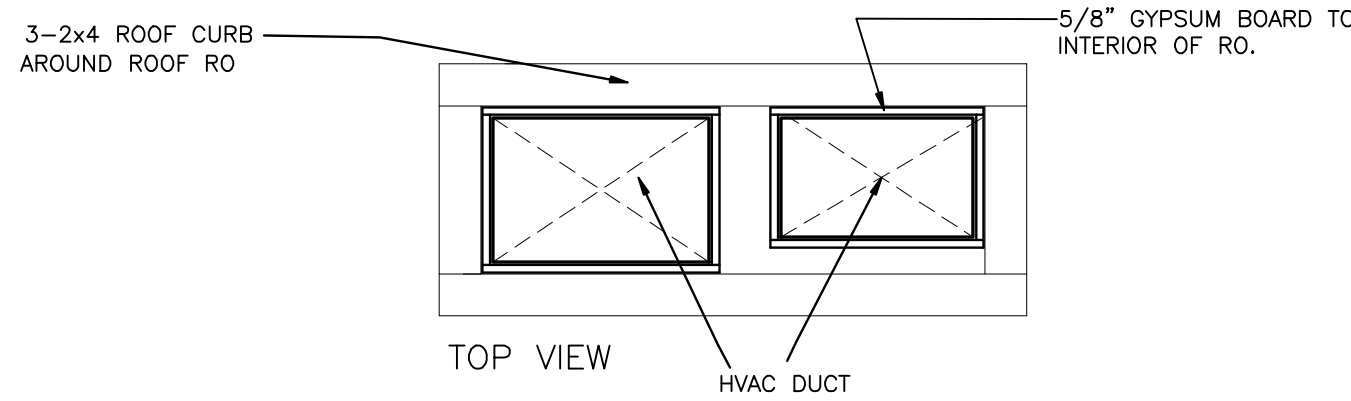
1 UNIT TO UNIT CONNECTION
US MATING WALLS
SCALE 3/4"=1'-0"



3 COLUMN DETAIL FOR 7" WIDE BEAMS
UNIT #1,2,3 (FIRST STOREY)
SCALE 1/2"=1'-0"



2 FLOOR/ROOF PENETRATION
FIRERATED
SCALE 3/4"=1'-0"



4 TYPICAL COLUMN - BEAM CONNECTION
EXCEPT THE 7"x7" COLUMNS AND THE CONNECTION TO THE 7" WIDE BEAMS
SCALE 1/2"=1'-0"

REV	DATE	DESCRIPTION	BY	INT	CHK
2	14APR09	AS-BUILTS	AH		
1	13MAR08	ISSUE FOR SITE CONSTRUCTION	AH		
0	07DEC07	ISSUE FOR PRODUCTION	AH		

NOTES:

CUSTOMER ACCEPTANCE

- ☐ - ACCEPTANCE AS DRAWN
☐ - ACCEPTANCE EXCEPT AS NOTED

BY: _____

DATE: _____

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SCALE: AS NOTED
CHECKED BY: _____ DATE: _____
APPROVED BY: _____ DATE: _____

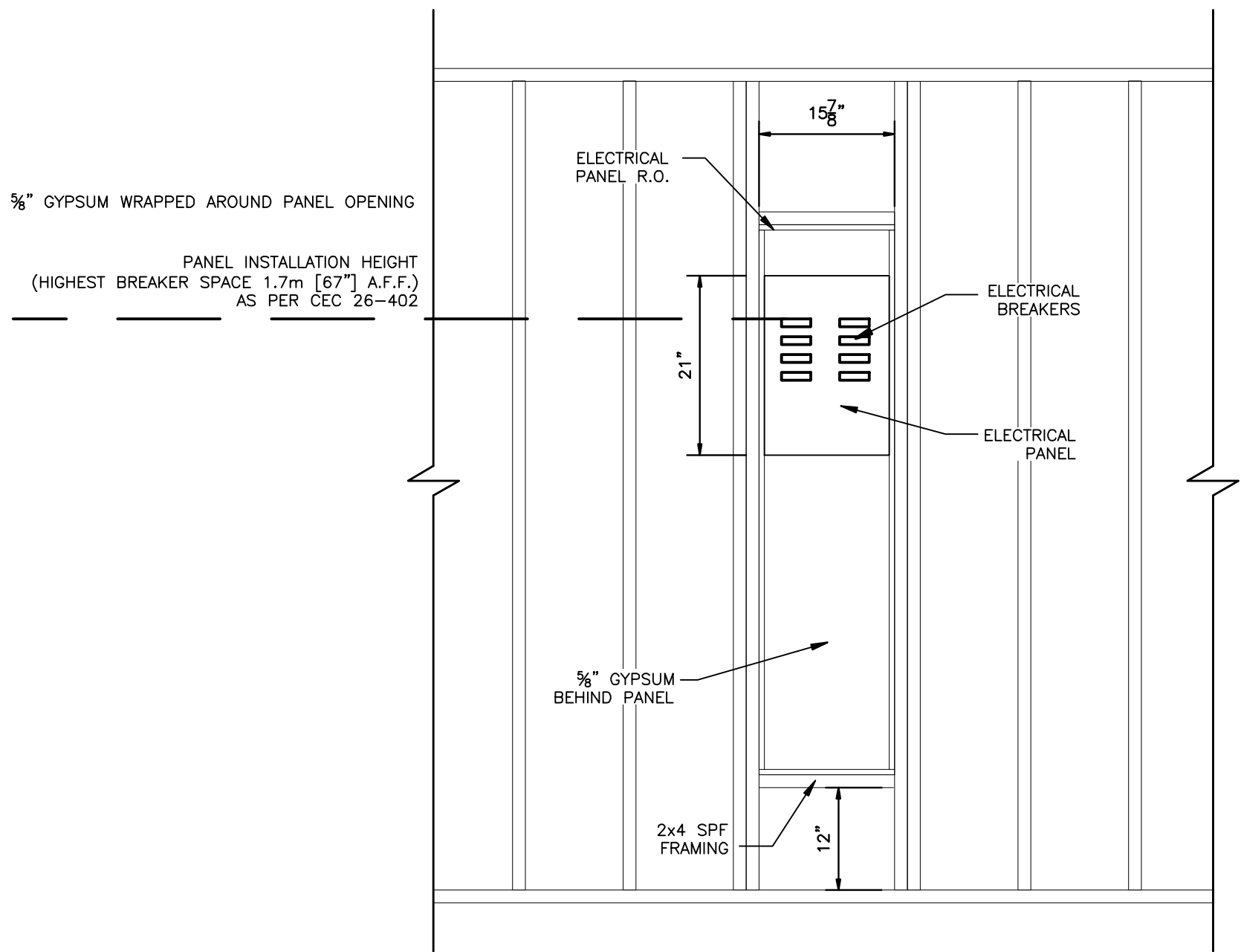
CUSTOMER: QUINN CONSTRUCTION LTD.

PROJECT: 22 UNIT - 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
DRAWING TITLE: PARTIAL BUILDING SECTION B-B DETAILS
DRAWING NO: D-410000386-1-D03 REVISION: 3

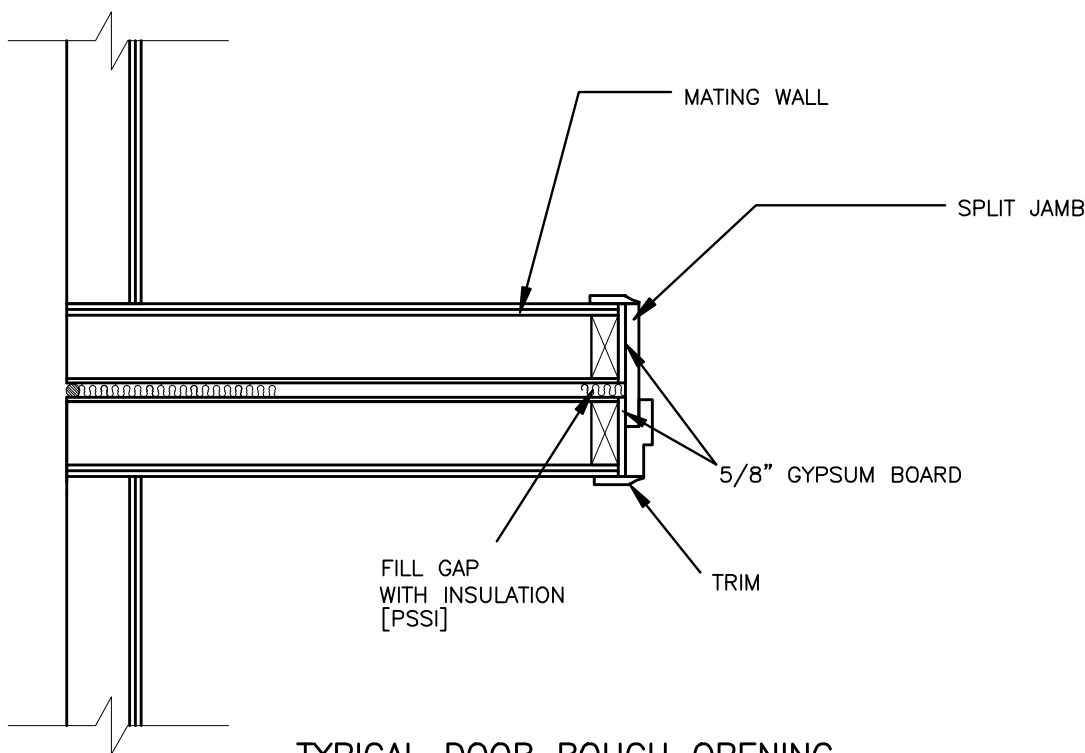
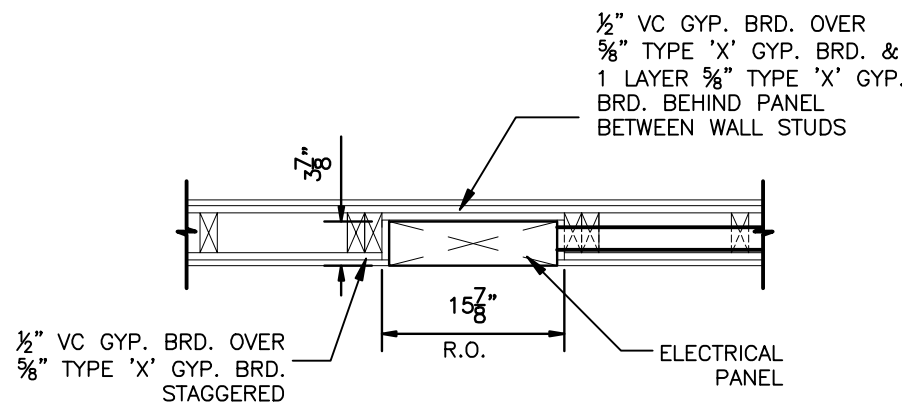
ATCO structures



NOTES: ALL WIRES PENETRATING GYPSUM BOARD ARE TO BE FIRE CAULKED AND ALL JOINTS TO BE MUD AND TAPED TO MAINTAIN FIRE RATING

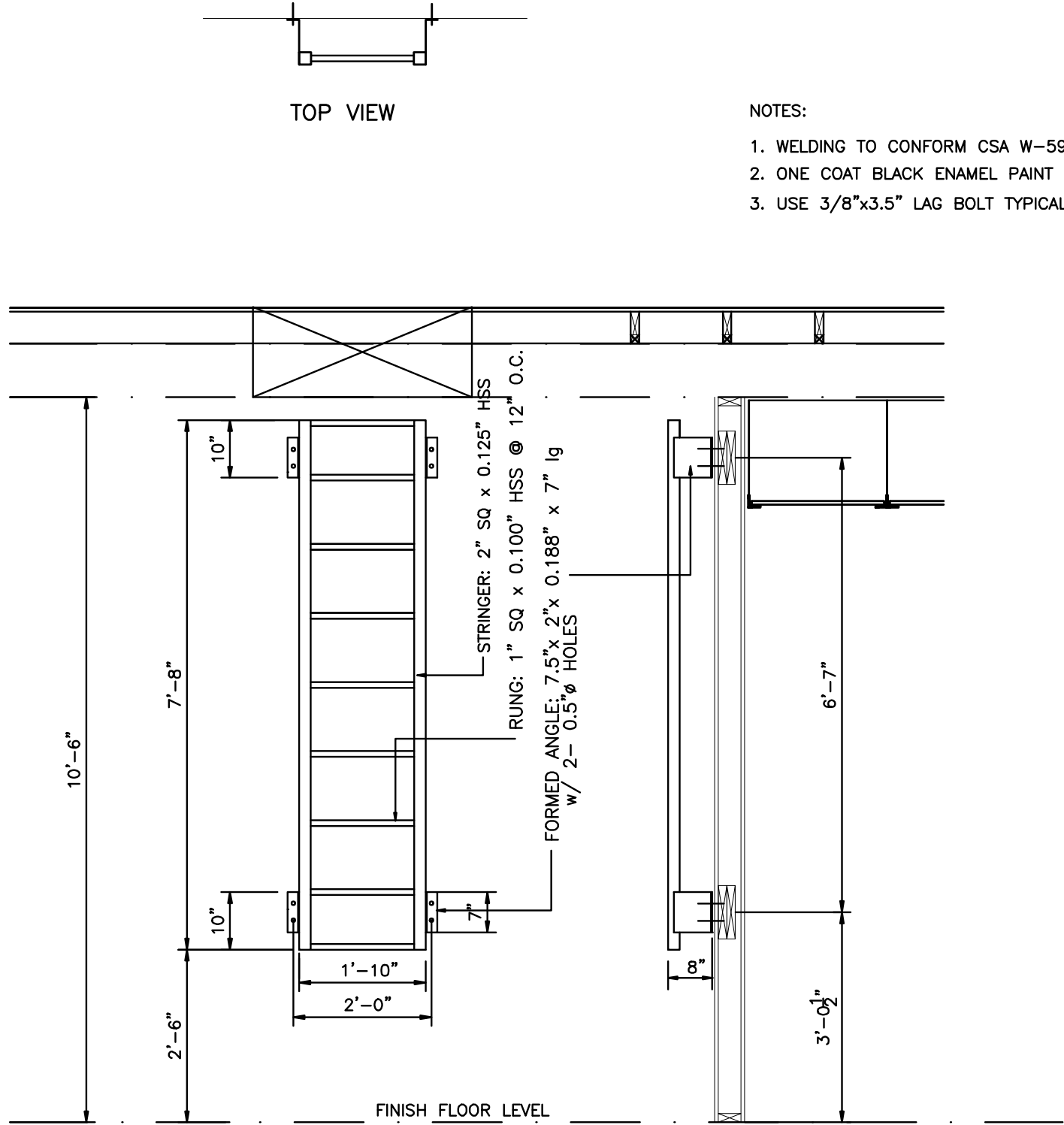
ELECTRICAL PANEL DETAIL, STAIRWELL 'B'

SCALE 3/4"=1'-0"



TYPICAL DOOR ROUGH OPENING

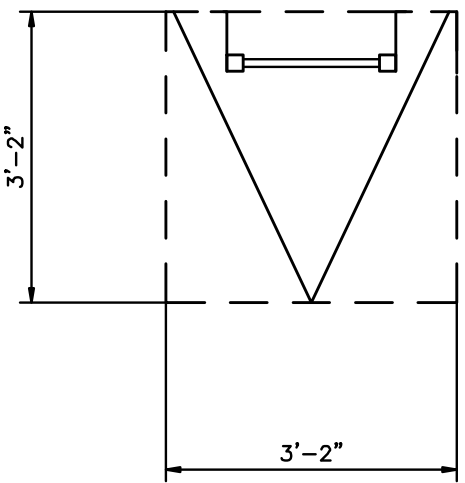
SCALE 3/4"=1'-0"



STEEL LADDER & ROOF HATCH

ITEM #914 & #915

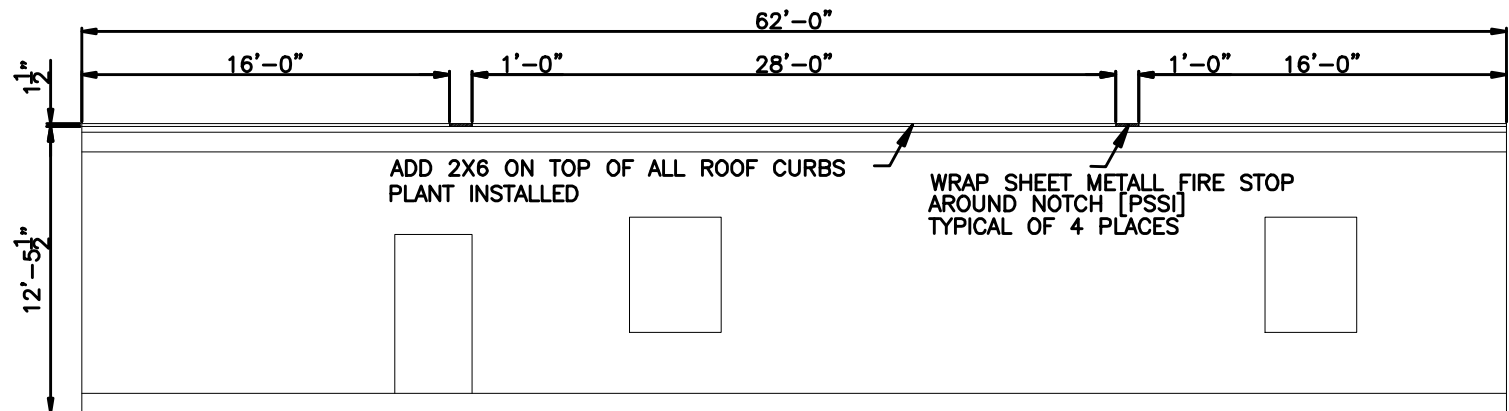
RIGHT SIDE VIEW



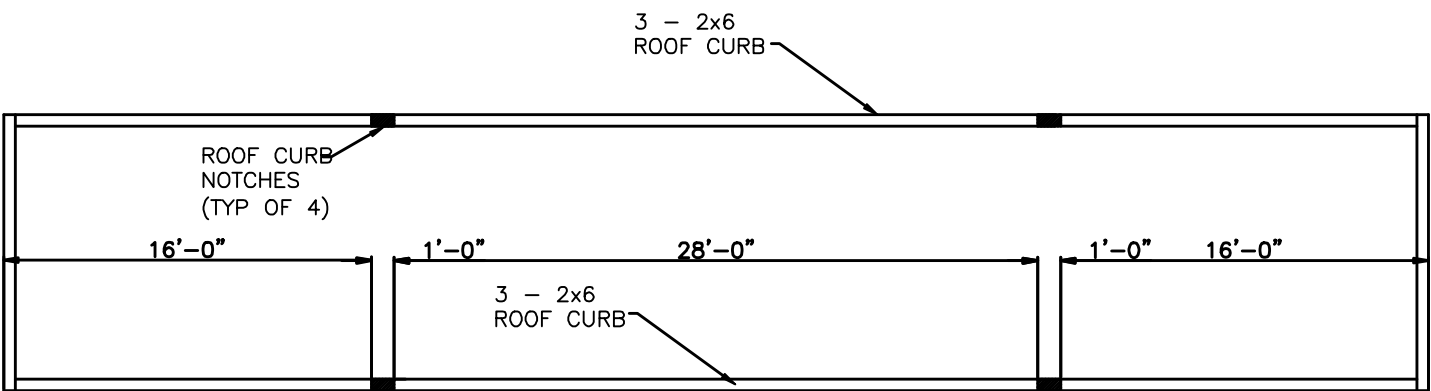
ROOF HATCH

WELD NOTES

1. ALL WELDING IS TO COMPLY WITH CSA STANDARD W59
2. ALL WELDS TO BE 1/4" CONTINUOUS FILLET MINIMUM
3. ELECTRODES TO BE E7018 OR EQUIVALENT.
4. REMOVE ALL FLUX, BURRS & SPATTER
5. WIRE BRUSH CLEAN, PRIME AND APPLY (1) COAT BLACK PAINT



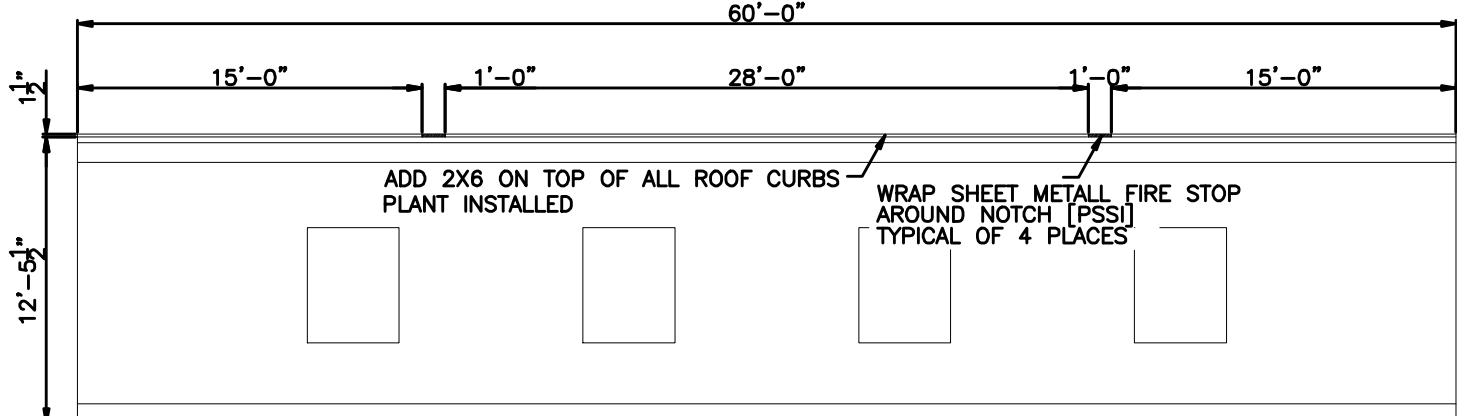
ELEVATION



PLAN VIEW

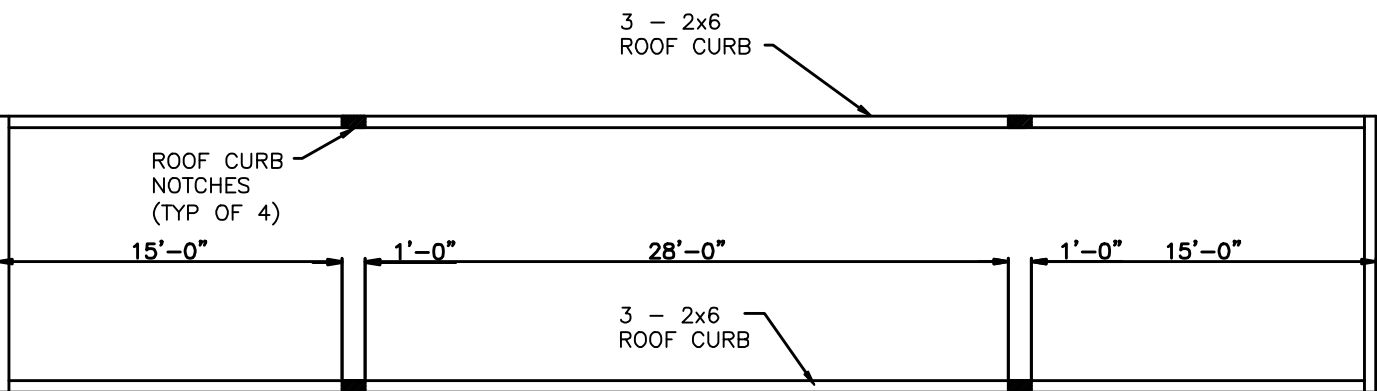
ROOF CURB INSTALLATION W/ SLING GAP LOCATION

UNIT #1 TO UNIT #7



ELEVATION

SCALE 1/8"=1'-0"



PLAN VIEW

UNIT #8 TO UNIT #11

REV	DATE	DESCRIPTION	BY	INT	CHK
2	14APR09	AS-BUILTS			
1	13MAR08	ISSUE FOR SITE CONSTRUCTION			
0	07DEC07	ISSUE FOR PRODUCTION			

NOTES:

CUSTOMER ACCEPTANCE

- ☐ - ACCEPTANCE AS DRAWN
☐ - ACCEPTANCE EXCEPT AS NOTED

BY: _____

DATE: _____

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SCALE: AS NOTED

CHECKED BY: _____

APPROVED BY: _____

DATE: _____

DATE: _____

CLIENT:

QUINN CONSTRUCTION LTD.

PROJECT:

22 UNIT - 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY: _____ DATE: _____

CHECKED BY: _____ DATE: _____

DRAWING TITLE:

DETAILS

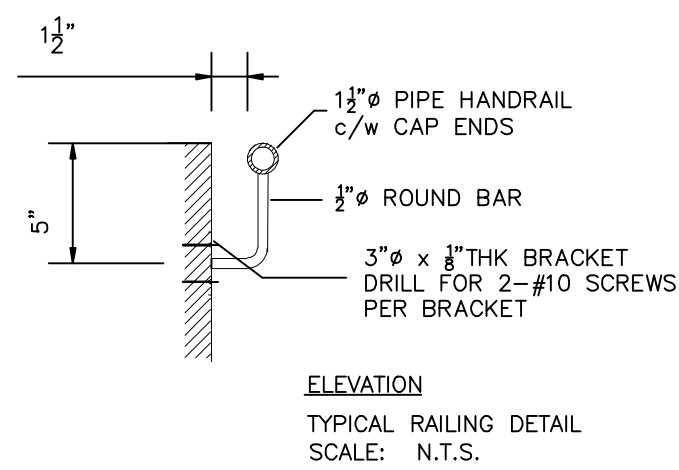
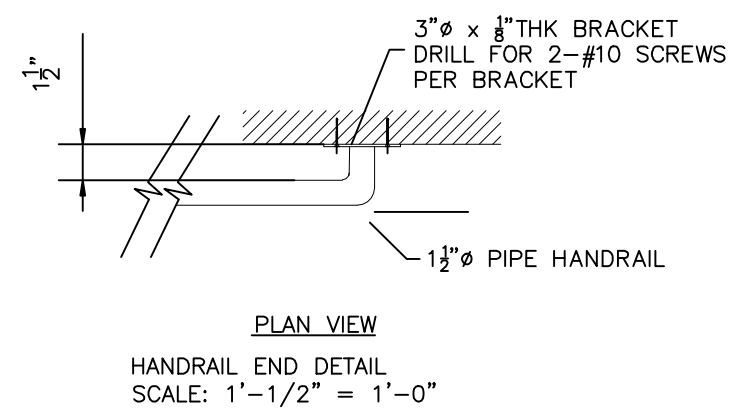
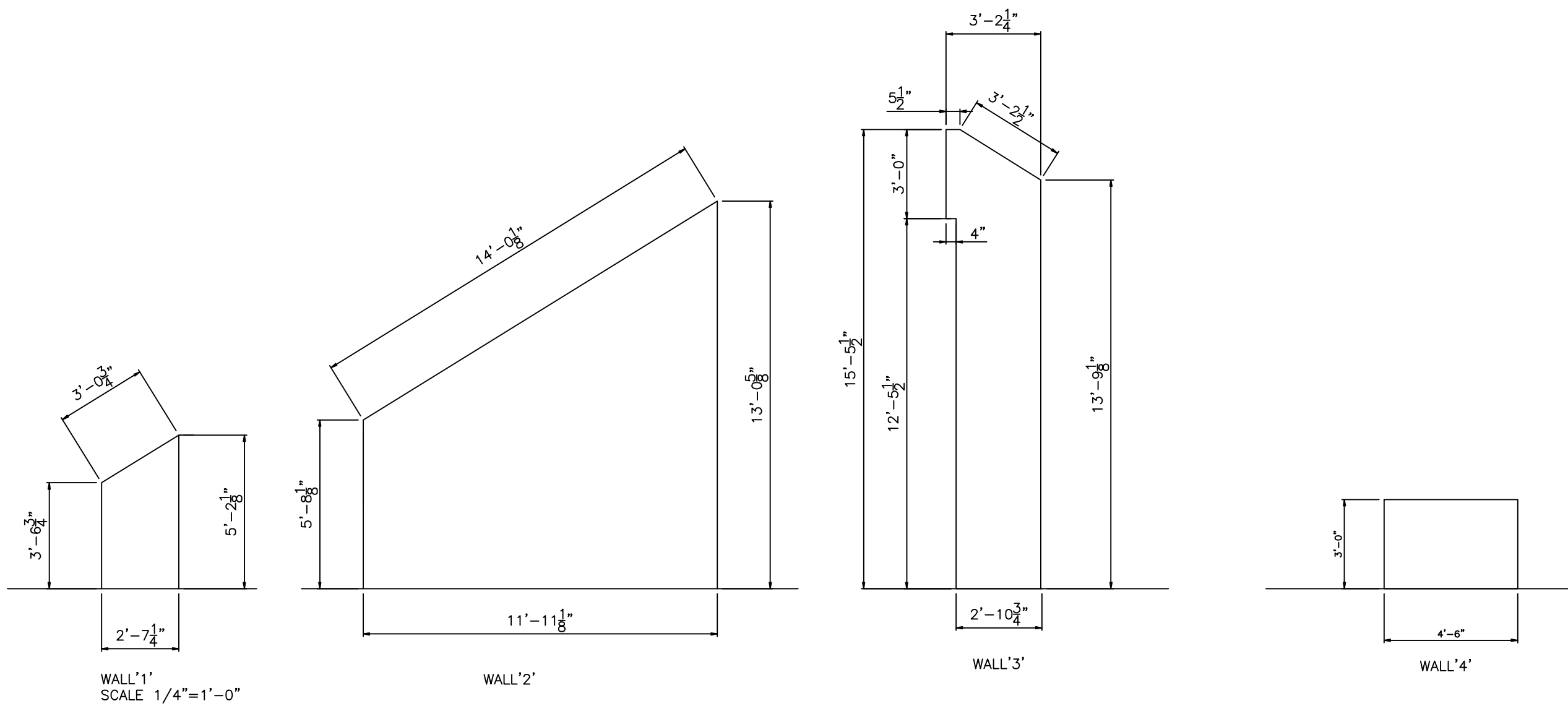
DRAWING NO:

D-410000386-1-D04

REVISION

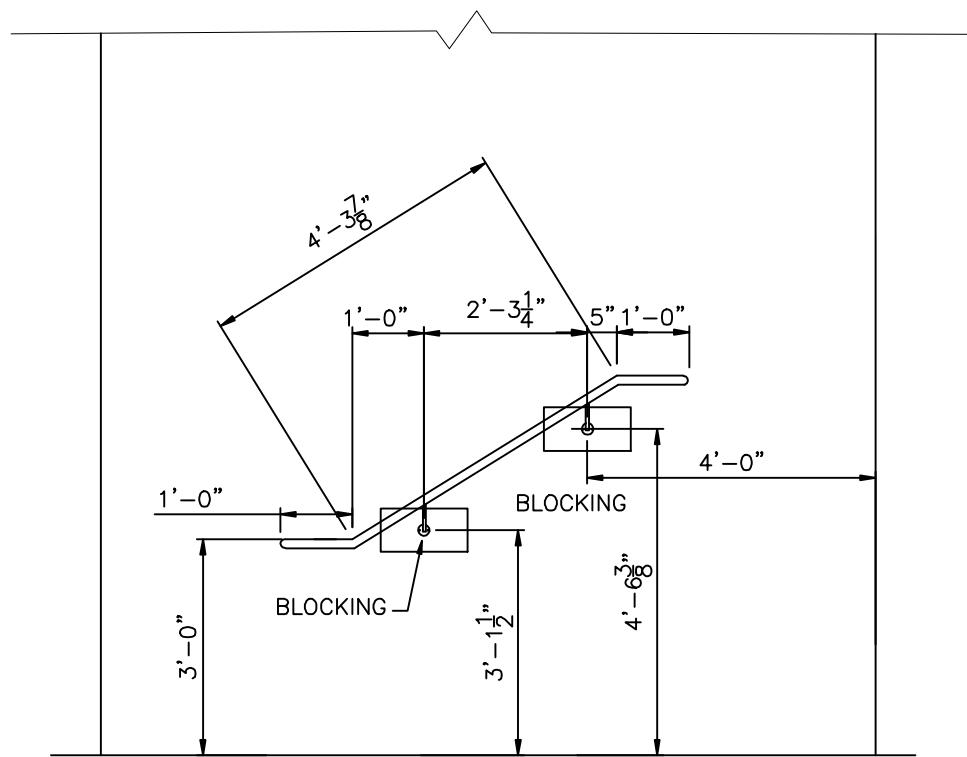
3

ATCO structures

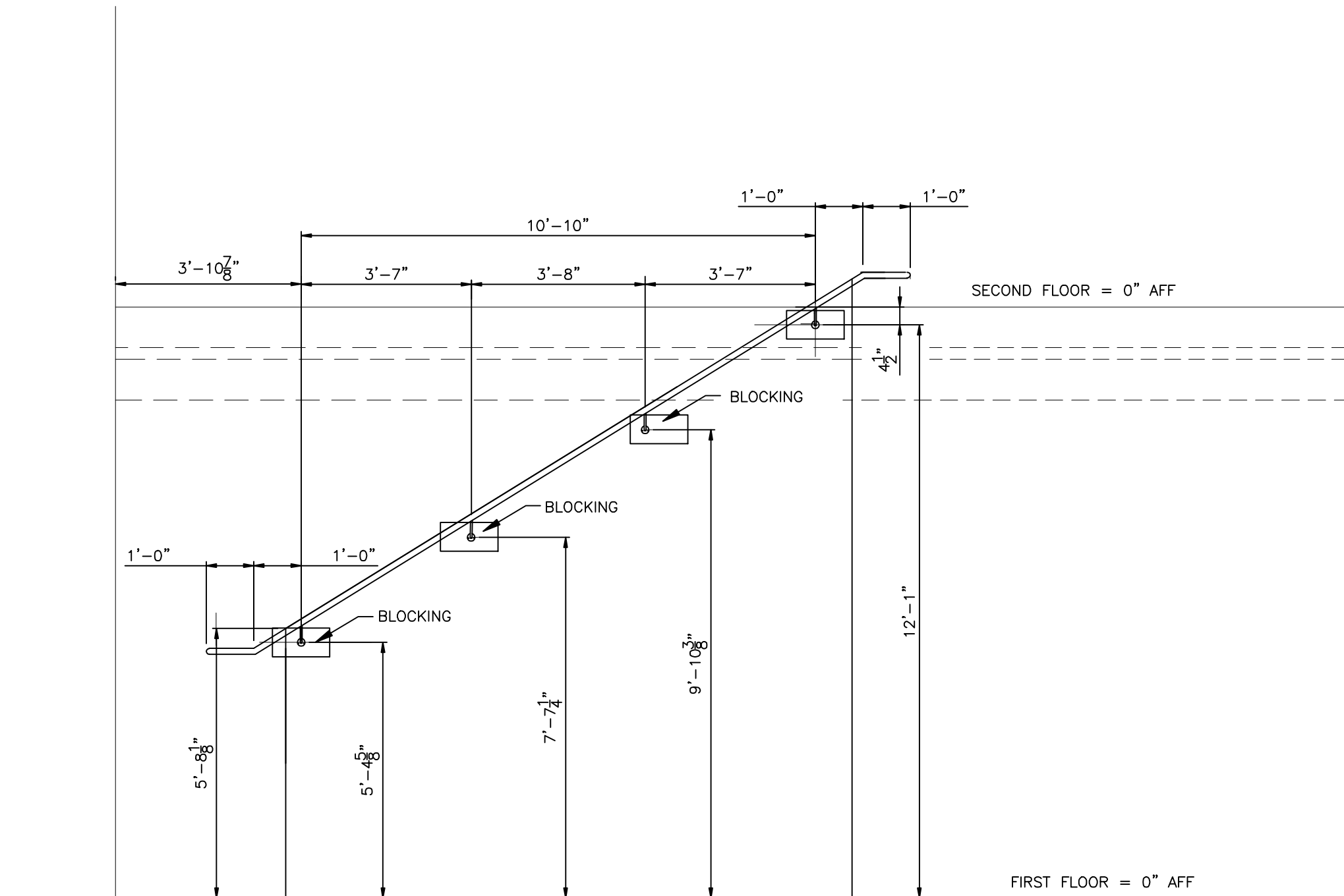


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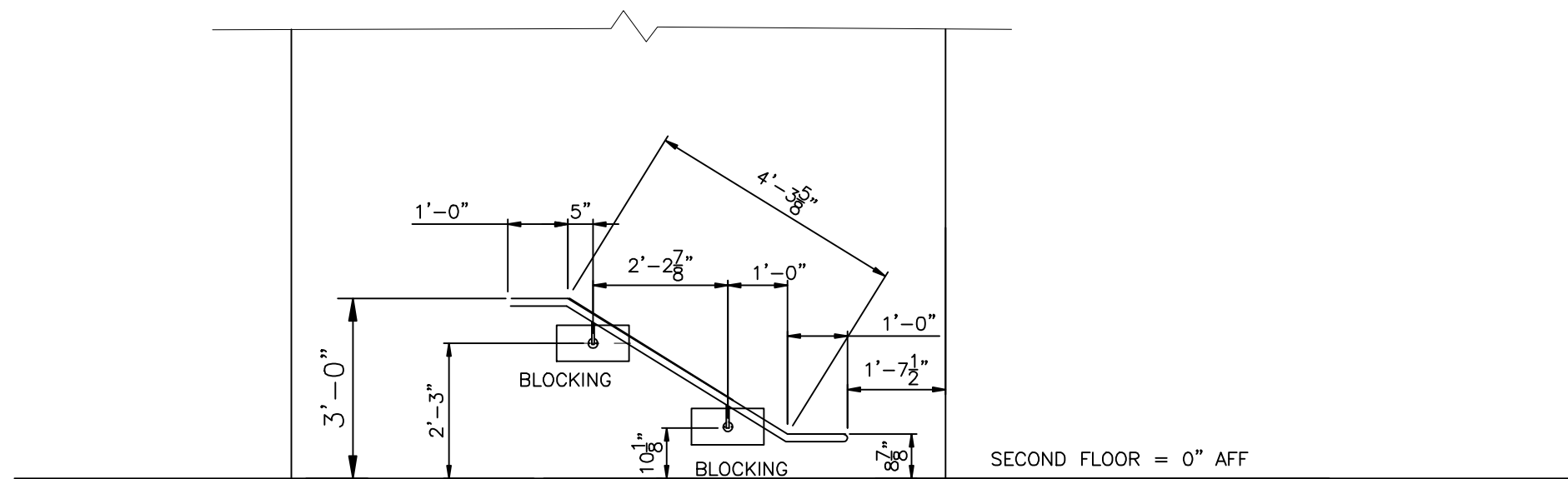
- STAIRS & LATHING:
 - STAIRS TO HAVE 2-STOREY STAIRS & 1-STOREY STAIRS - WOOD CONSTRUCTION.
 - LATHING - 2x10 STAIRS w/ 1/2" DECK PLATE SUBSTRATE.
 - ALLOW 1" STAIR TOSSEL.
 - STAIR (POLE BAR) STAIRS & STAIRS w/ TOSSEL TOSSEL.
- STAIR RAILING:
 - STAIR RAILING 1 1/2" PIPE RAILING - FASTENED BRACKETS w/ BRACKETS PLATE TO PROVIDE BRACKETS FOR BRACKETS STAIR.
 - BRACKETS TO ALLOW 1 1/2" SPACE FROM STAIR WALL TO OUTSIDE OF RAILING.
 - TOP OF RAILING TO BE AT 36" ABOVE STAIR TOSSEL/LATHING.



C BLOCKING AND HANDRAIL '1'
D06-2 SCALE 3/8"=1'-0"



D BLOCKING AND HANDRAIL '2'
D06-2



E BLOCKING AND HANDRAIL '3'
D06-2

REV	DATE	DESCRIPTION	BY	INT	CHK
1	14APR09	AS-BUILTS	AH		
0	21DEC07	ISSUE FOR PRODUCTION	AH		

NOTES:

CUSTOMER ACCEPTANCE

- ☐ - ACCEPTANCE AS DRAWN
☐ - ACCEPTANCE EXCEPT AS NOTED

BY: _____

DATE: _____

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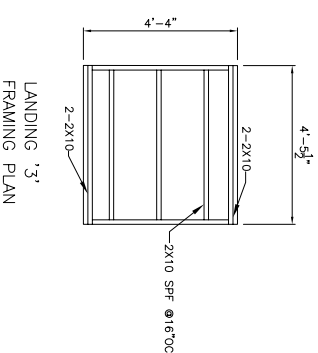
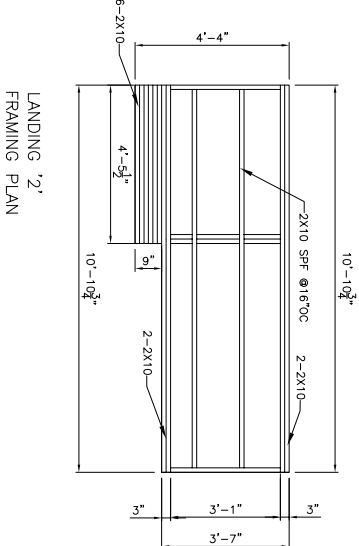
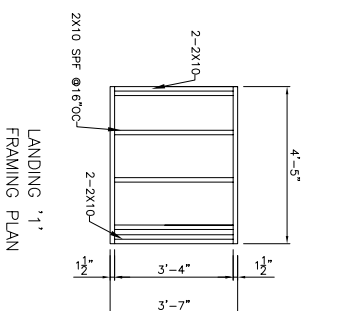
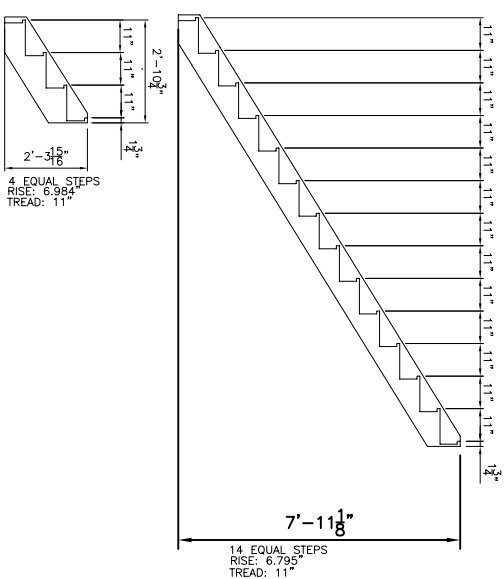
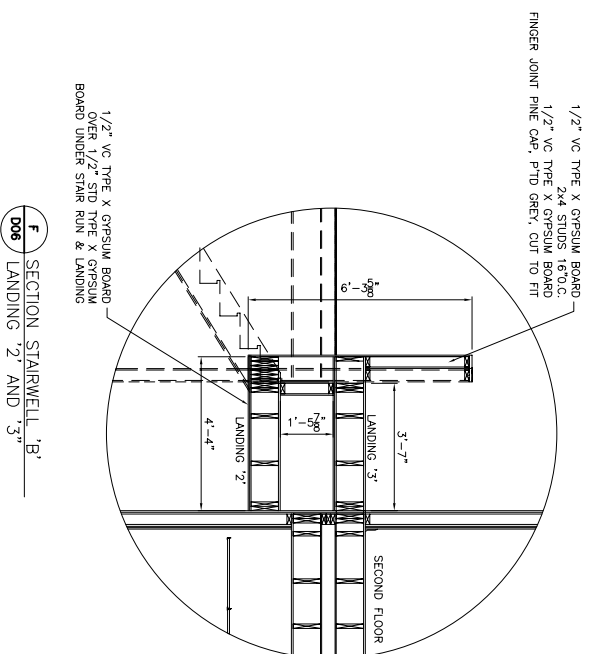
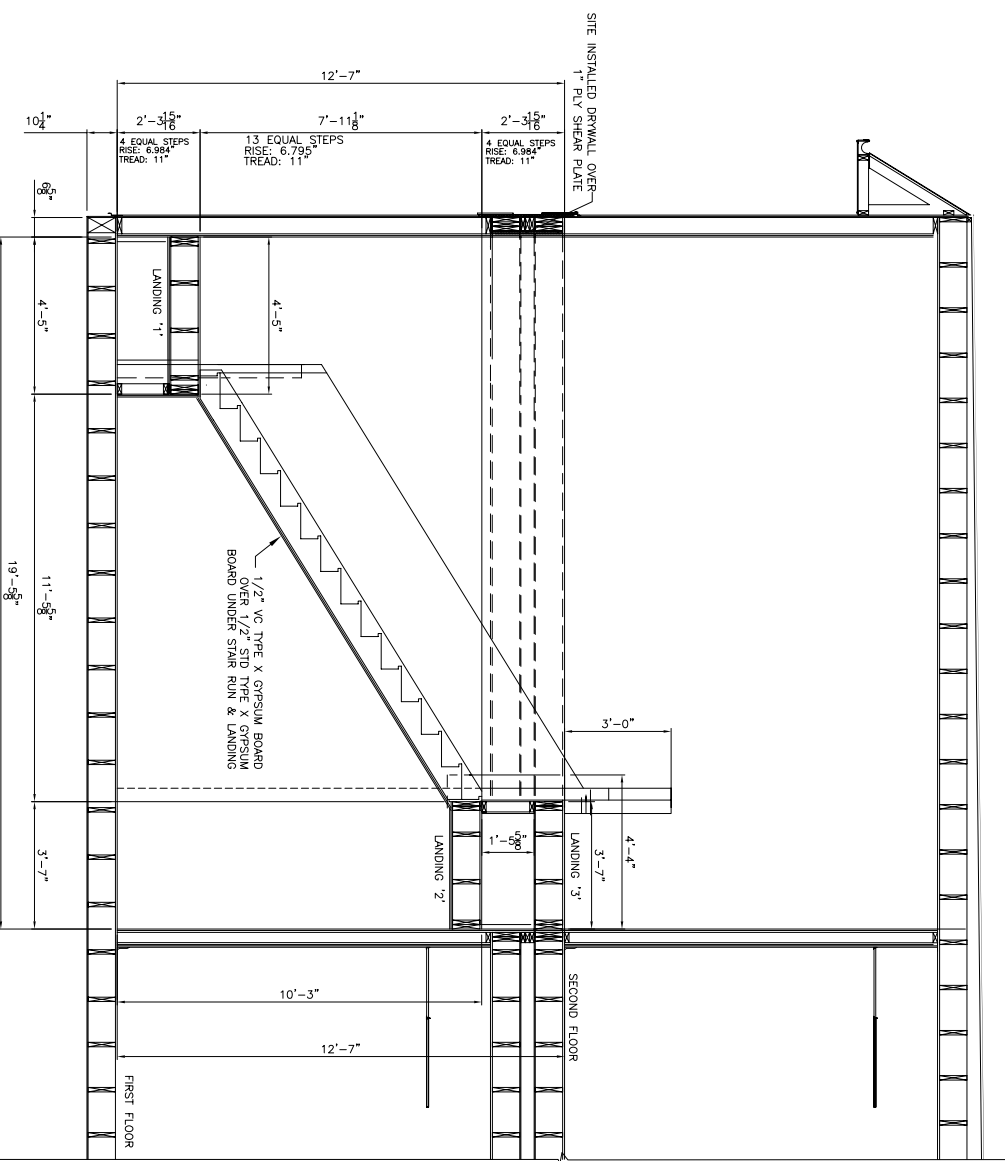
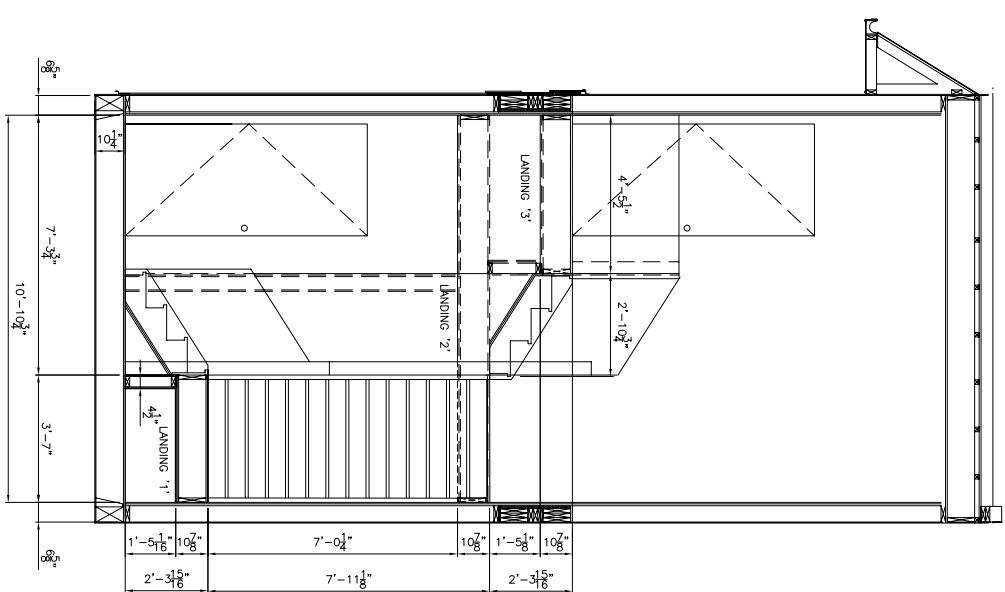
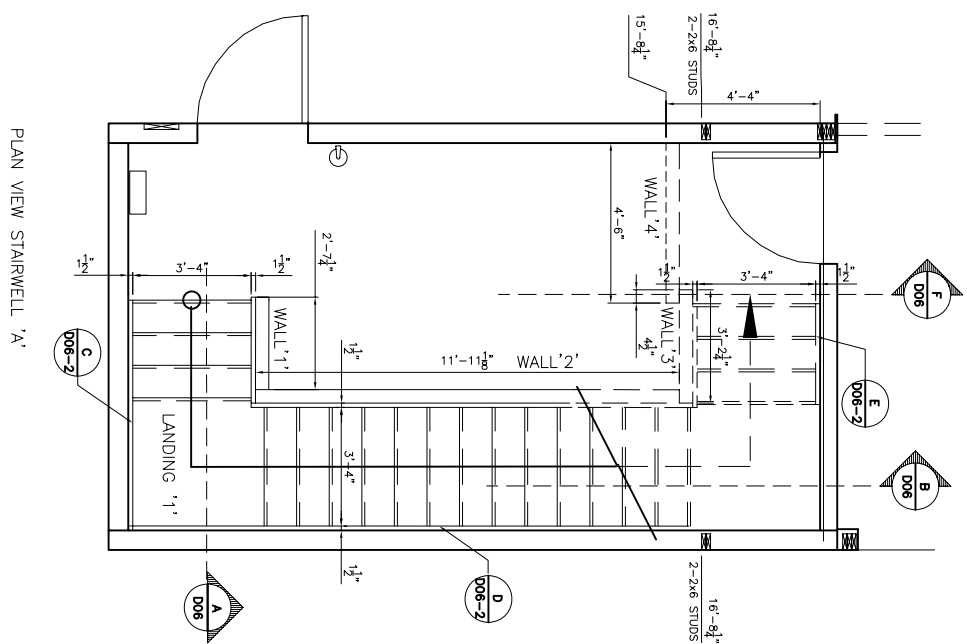
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CHECKED BY:	DATE:
APPROVED BY:	DATE:

CLIENT:
QUINN CONSTRUCTION LTD.

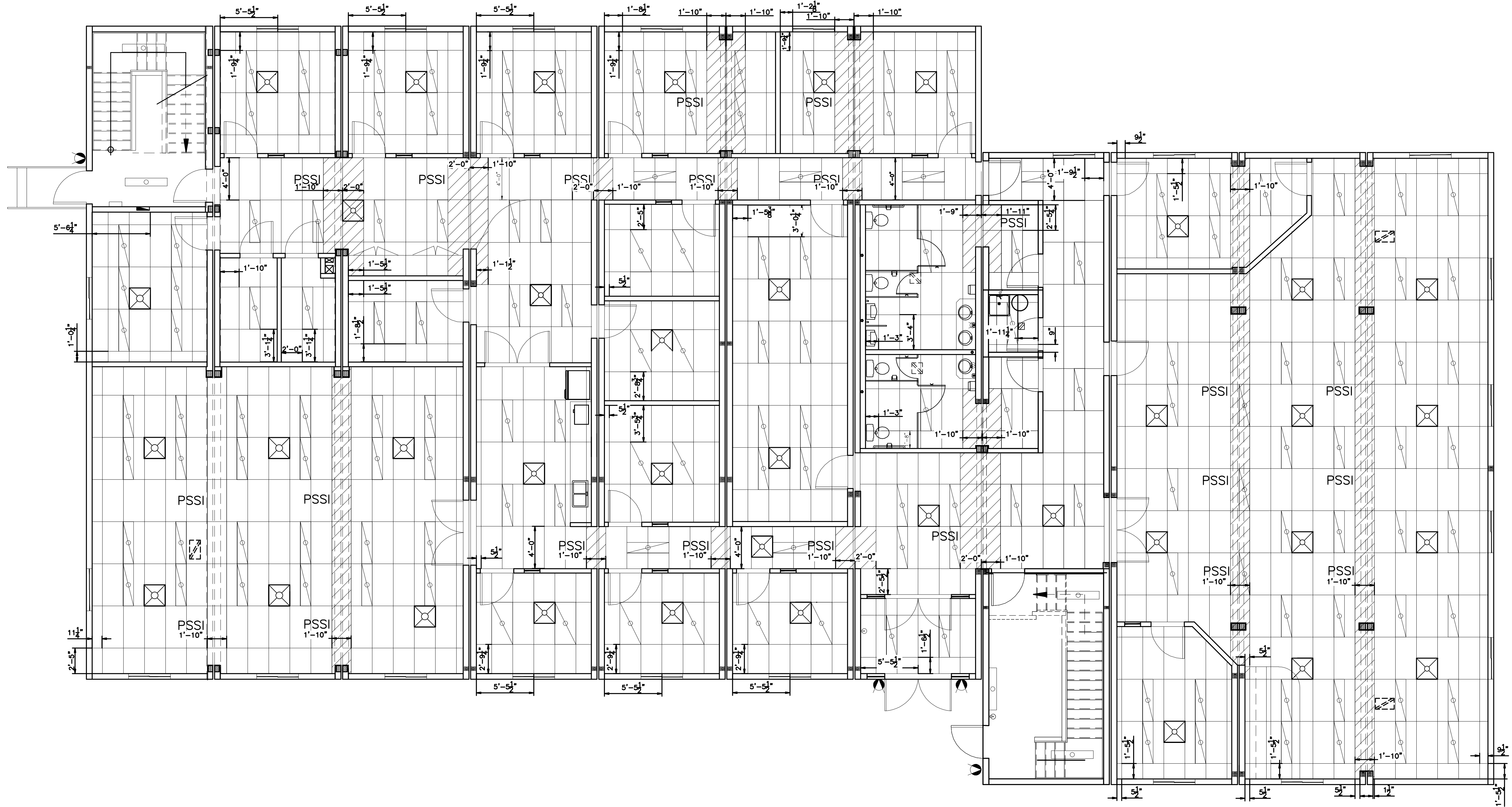
PROJECT:
22 UNIT - 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL	
ISSUED BY:	DATE:
CHECKED BY:	DATE:
DRAWING TITLE:	
STAIRWELL 'A' RAILING & HANDRAIL DETAIL	
DRAWING NO:	REVISION
D-410000386-1-D06/2	3

ATCO Structures



NOTE: CONNECT STAIR STRINGERS AND LANDING FRAMING TO ADJACENT SIDE WALL AT EVERY STUD WITH 3/8"x4" LAG SCREWS. PREDRILL TO SUIT.



FIRST FLOOR PLAN

REV	DATE	DESCRIPTION	BY	INT	CHK
1	14APR09	AS-BUILTS	AH		
0	21DEC07	ISSUE FOR PRODUCTION	AH		

NOTES:

CUSTOMER ACCEPTANCE

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☐ - ACCEPTANCE EXCEPT AS NOTED

BY: _____

DATE: _____

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SCALE: 3/16"=1'-0"

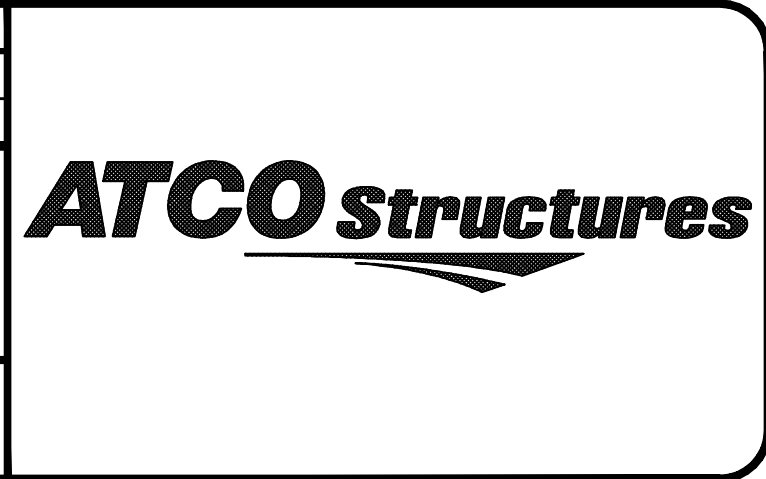
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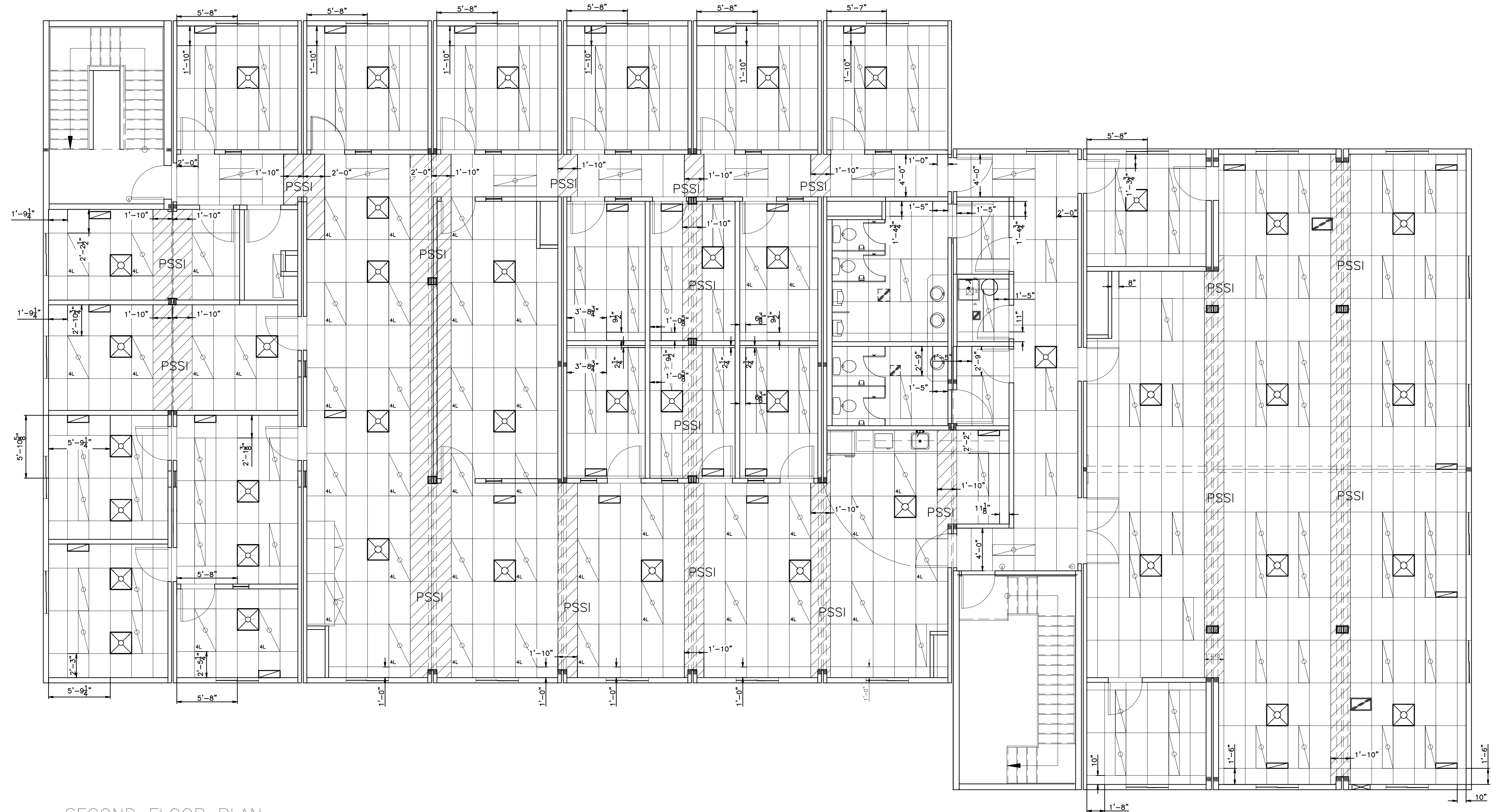
APPROVED BY: _____ DATE: _____

CLIENT: QUINN CONSTRUCTION LTD.

PROJECT: 22 UNIT - 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL	
ISSUED BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
DRAWING TITLE: CEILING GRID FIRST FLOOR	
DRAWING NO: D-410000386-1-D07	REVISION 3





1	14APR09	AS-BUILTS	AH		
0	21DEC07	ISSUE FOR PRODUCTION	AH		
REV	DATE	DESCRIPTION	BY	INT	CHK

NOTES:

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- ☐ - ACCEPTANCE AS DRAWN
☐ - ACCEPTANCE EXCEPT AS NOTED

BY: _____

DATE: _____

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APEGGA Permit to Practice #P02312

SCALE: $3/16"=1'-0"$

CHECKED BY:

DATE:

APPROVED BY:

DATE:

CLIENT:	
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QUINN CONSTRUCTION LTD.

PROJECT:	
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22 UNIT – 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY:	DATE:
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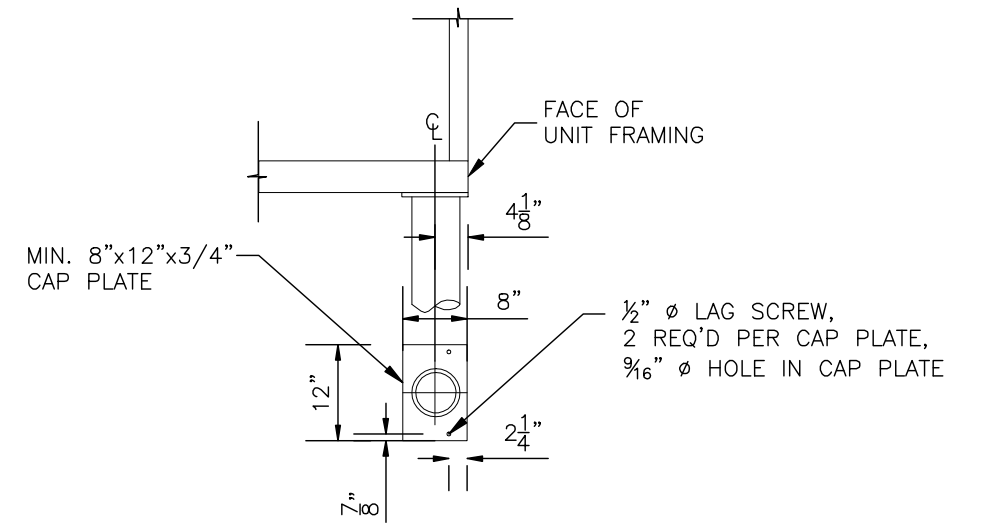
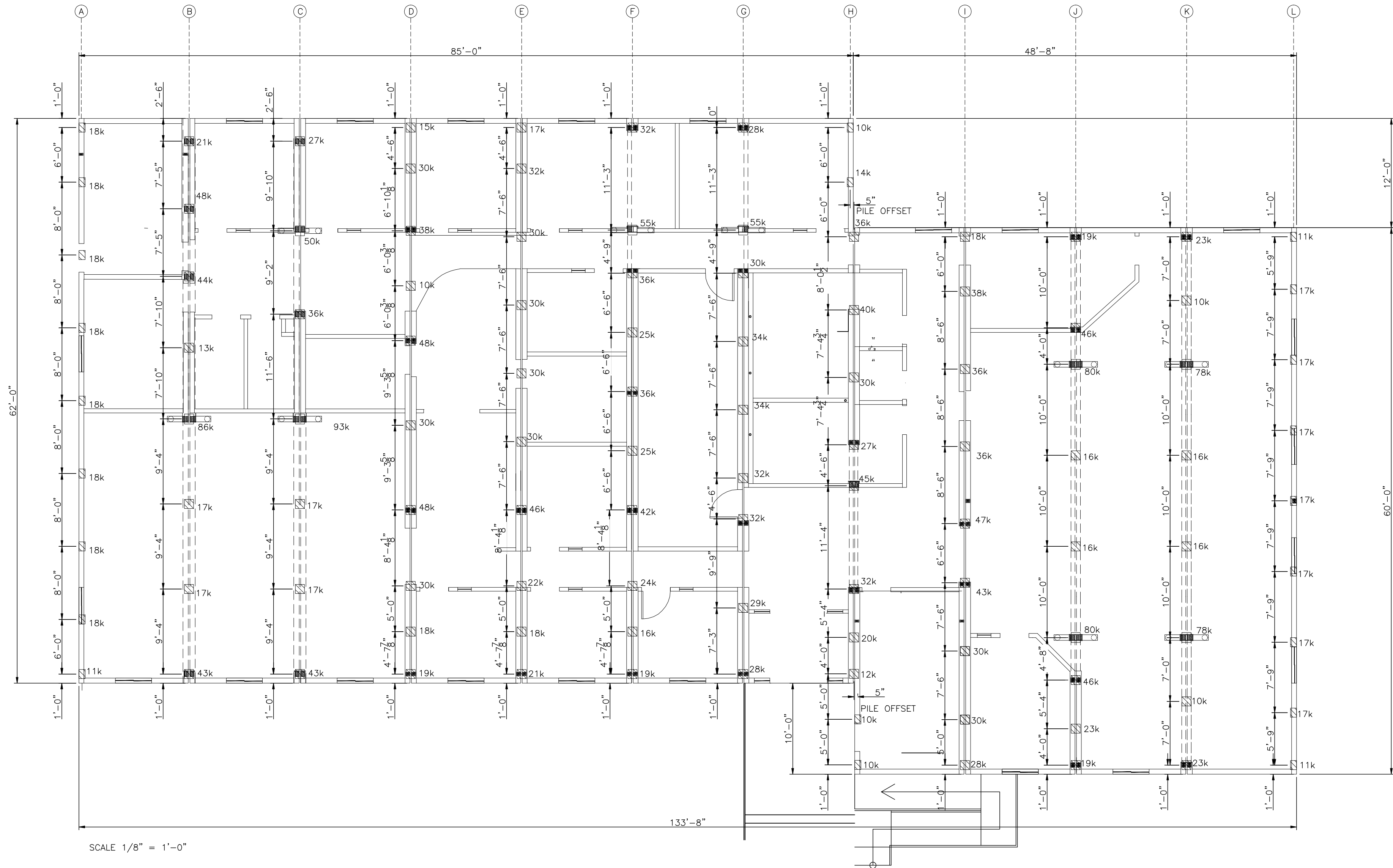
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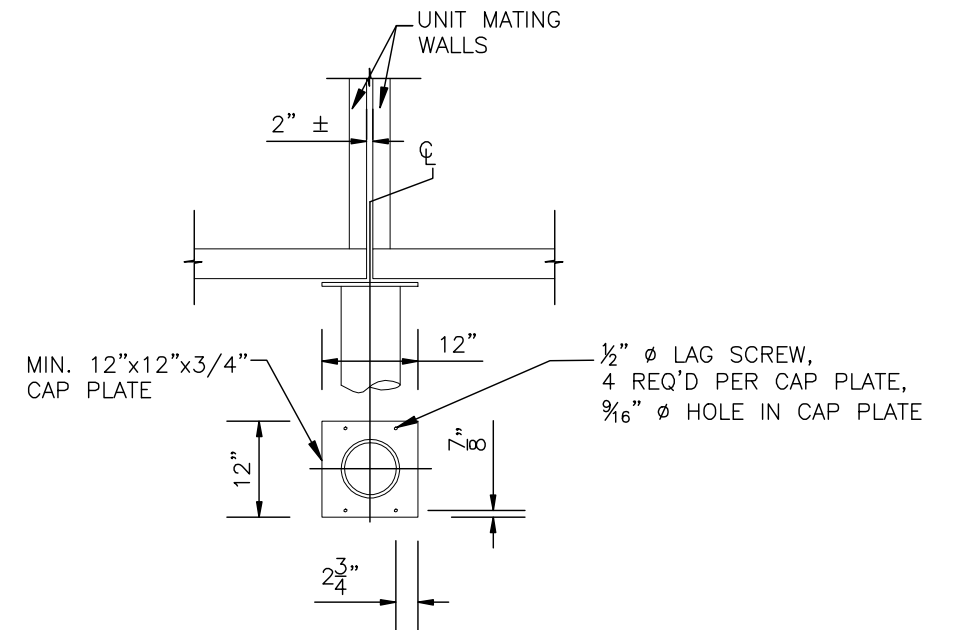
CEILING GRID
SECOND FLOOR

DRAWING NO:
D-410000386-1-D08

ATCO Structures



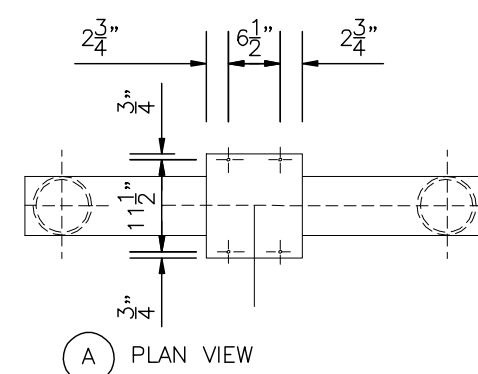
TYPICAL PILE CAP CONNECTION TO STRUCTURE -
PERIMETER (LONG WALLS)
SCALE: 1/2"=1'-0"



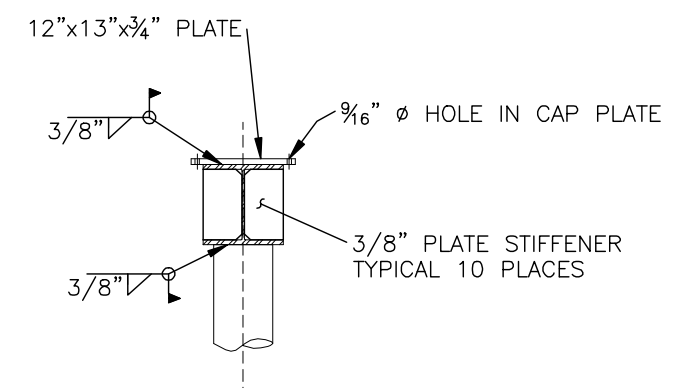
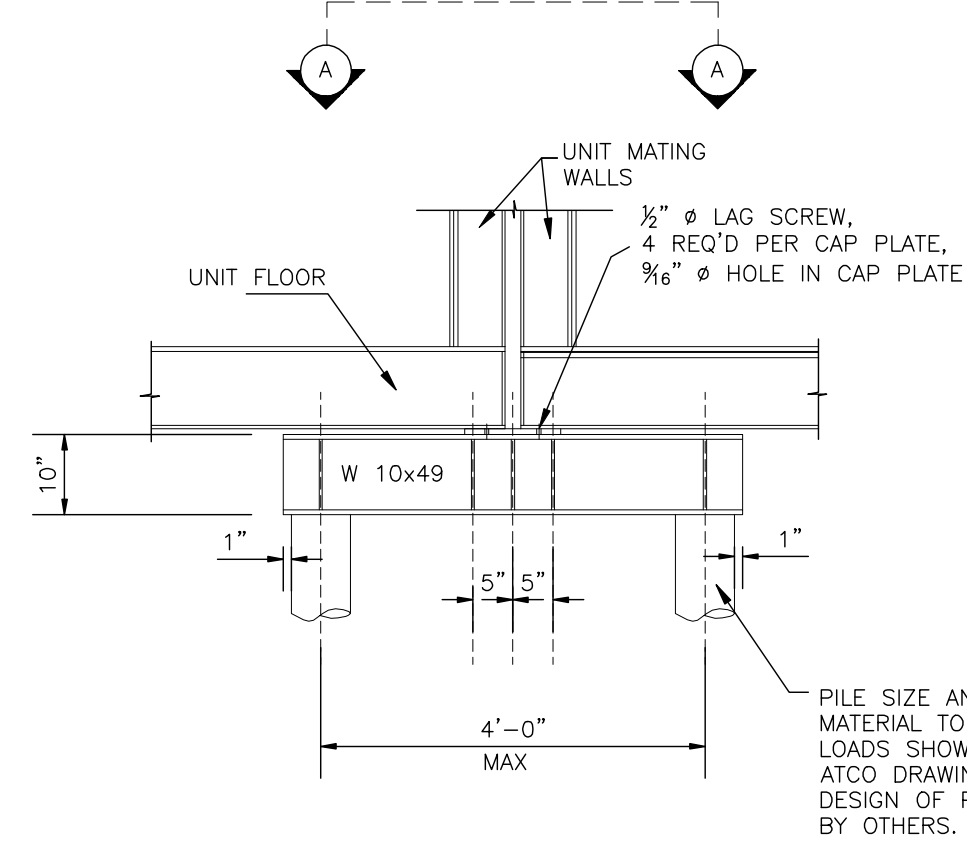
TYPICAL PILE CAP CONNECTION TO STRUCTURE -
INTERIOR (LOCATION MATING TWO UNITS)
SCALE: 1/2"=1'-0"

GENERAL NOTES:

1. STRUCTURAL REACTIONS SHOWN ARE BASED UPON SPECIFIED (UNFACTORED) LOADS.
2. REACTION LOCATIONS DERIVED BASED UPON THE LIMITING STRENGTH AND SERVICEABILITY OF UNIT SIDE PLATE BEAMS.
3. VERTICAL REACTIONS (GRAVITY LOADS) SHOWN ON PLAN.
4. A MIN. 1 k SPECIFIED LATERAL LOAD REACTION SHALL BE APPLIED TO THE TOP OF EACH PILE (IN EACH ORTHOGONAL DIRECTION, SEPERATELY) FOR PILE DESIGN. POSITIVE MECHANICAL CONNECTION REQUIRED TO DEVELOP SPECIFIED RESISTANCE BETWEEN FOUNDATION AND ATCO UNIT. REFER TO ATTACHED DETAILS OUTLINING RECOMMENDED PILE CAP AND CONNECTION.
5. PILE CAPS SHALL PROVIDE FULL BEARING UNDER THE 5" WIDE SIDE BEAM AT THE LOCATIONS SHOWN.
6. PILE AND PILE CAPS SHALL BE SUFFICIENTLY RIGID TO DISTRIBUTE BEARING PRESSURE UNIFORMLY TO ATCO SIDE BEAMS AND TO RESIST ANY BENDING DUE TO ECCENTRIC LOADING.
7. PILE CAP DETAILS ARE SUGGESTED ONLY. THE DESIGN OF THE PILE AND THE PILE CAP IS THE RESPONSIBILITY OF THE PILE CONTRACTOR HOWEVER ANY CHANGE IN THE PILE CAP DETAIL MUST BE APPROVED BY ATCO STRUCTRES' ENGINEER.
8. CENTRES OF PROPOSED PILE CAP PLATES HAVE BEEN INDICATED ON THIS DRAWING. IF THE PILE CONTRACTOR REQUIRES LARGER CAP PLATES TO ACCOMMODATE LARGER PLACING TOLERANCES, THEN THE PILE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT REVISED PILE LOCATIONS TO SUIT THOSE LARGER CAP PLATES KEEPING IN MIND THE NOTED BEARING LOCATION MUST REMAIN UNCHANGED.
9. PILES AND/ OR PILE CAP MAY NOT PROTRUDE BEYOND THE OUTER FACE OF THE UNITS TO ALLOW PLACEMENT OF SKIRTING.



LOAD SPREADING BEAM
TYPICAL FOR 9 LOCATIONS
SCALE: 1/2"=1'-0"



- NOTES
1. BEAM AND PLATE MATERIAL TO BE 44W (300W) MINIMUM.
 2. WELDING TO BE COMPLETED BY WELDERS CERTIFIED TO CSA W47.1 AND ALL WELDING IS TO COMPLY WITH CSA W59.

REV	DATE	DESCRIPTION	BY	INT	CHK
2	14APR09	AS-BUILTS	AH		
1	22NOV07	RE-ISSUE FOR SITE CONSTRUCTION	AH		
0	09NOV07	ISSUE FOR SITE CONSTRUCTION	AH		

NOTES:

CUSTOMER ACCEPTANCE

- ☐ - ACCEPTANCE AS DRAWN
☐ - ACCEPTANCE EXCEPT AS NOTED

BY: _____

DATE: _____

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SCALE: AS NOTED

CHECKED BY: _____

DATE: _____

APPROVED BY: _____

DATE: _____

CLIENT:

QUINN CONSTRUCTION LTD.

PROJECT:

22 UNIT - 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY: _____ DATE: _____

CHECKED BY: _____ DATE: _____

DRAWING TITLE:

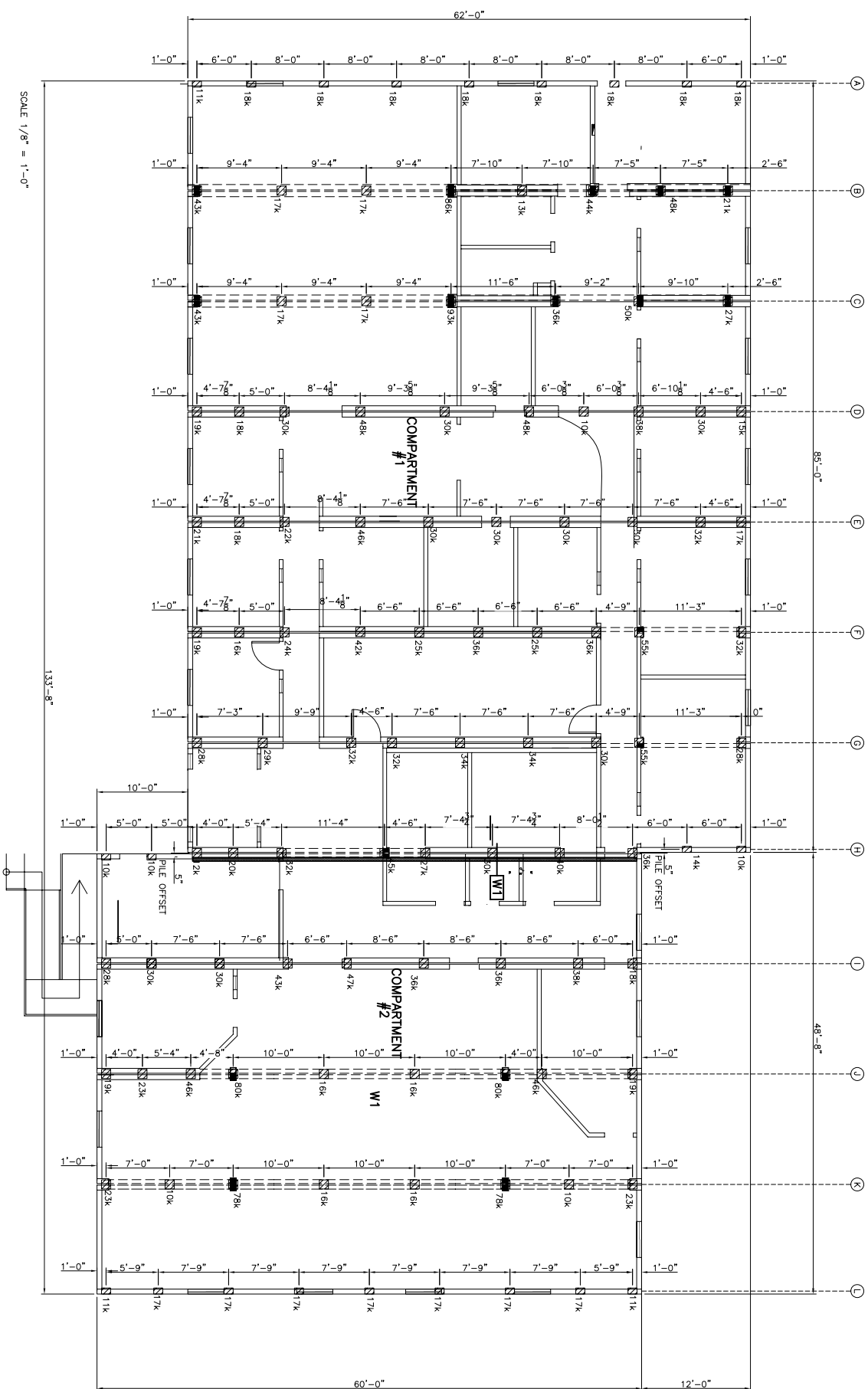
PILE LAYOUT

DRAWING NO:
D-410000386-1-F1

REVISION

3

ATCO structures



SCALE 1/8" = 1'-0"

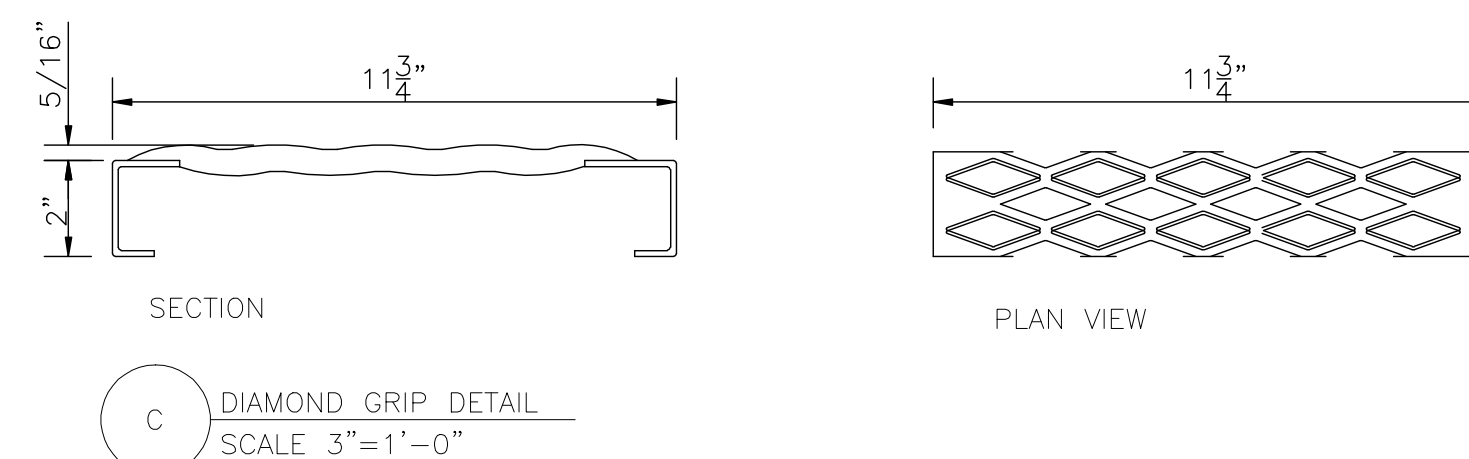
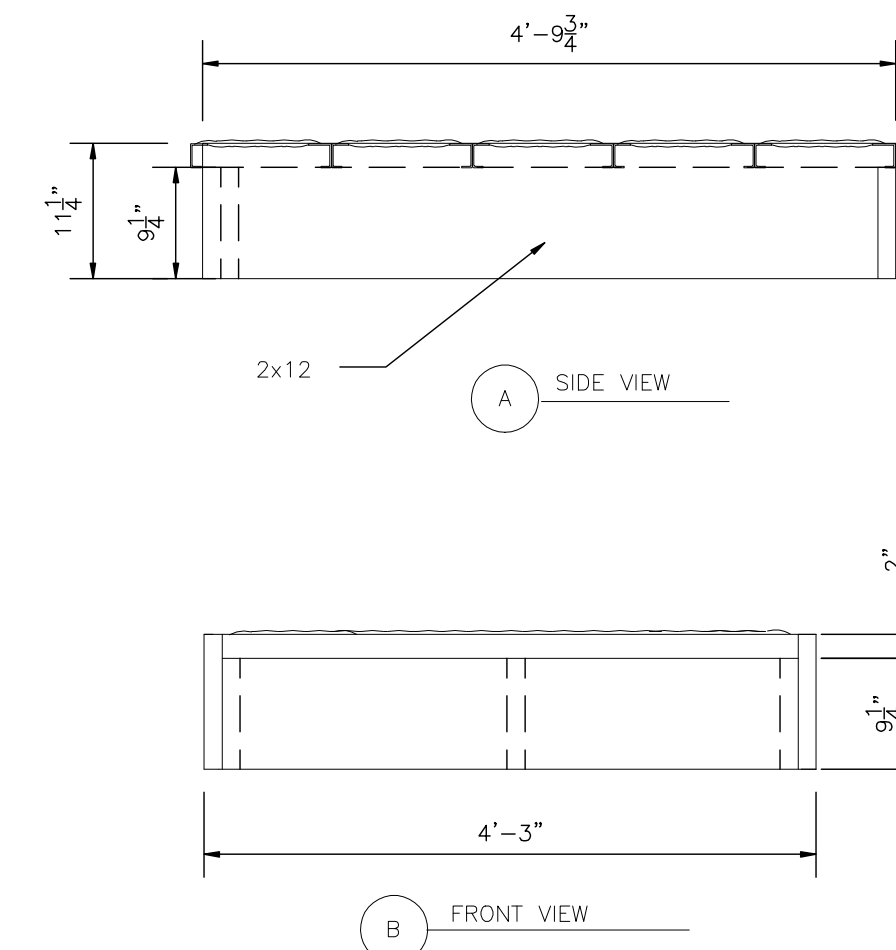
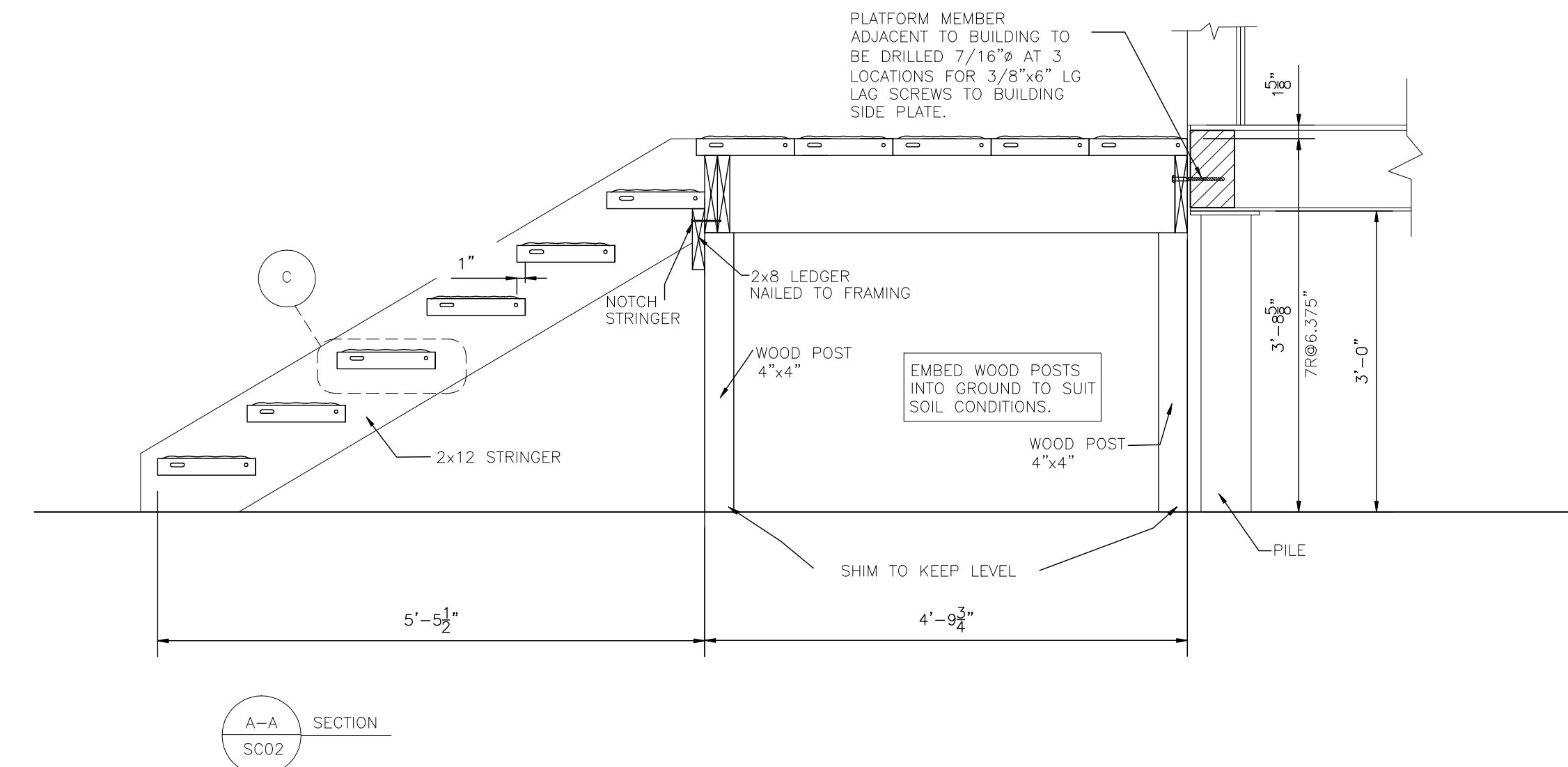
W1 FIRE STOP PARTITION

1/2" PHENOLIC PLYWOOD
2x4 SPF STUDS @ 16" O.C.
1/2" PHENOLIC PLYWOOD
PRESSURE TREATED 2x4 BOTTOM PLATES ONLY.

GENERAL NOTES:

1. FIRE STOP MATERIALS SHALL BE USED TO SEAL ALL PENETRATIONS THROUGH FIRE STOP PARTITIONS.
 2. (1)-MINIMUM ACCESS HATCH IS REQUIRED PER COMPARTMENT
- MINIMUM SIZE: 22"x36" C/W ACCESS HATCH.

[illegible]



FASTENER TYPES	GRIP SPAN
LANDING: FISHER & LUDLOW GRIP SPAN DIAMOND ANCHOR w/ 3/8"x4" LAG SCREWS	FISHER & LUDLOW 11-3/4" [298 MM] - 5 DIAMOND STEEL 14 ga. 1.8mm PART# D-51420-G
TREADS: 3/8"x2 1/2" CARRIAGE BOLTS W/ 3/8" NUTS FASTEN TO 2x12 STRINGERS	

2	14APR09	AS-BUILTS	AH		
1	28MAR08	RE-ISSUE FOR SITE CONSTRUCTION	AH		
0	03MAR08	ISSUE FOR SITE CONSTRUCTION	AH		
REV	DATE	DESCRIPTION	BY	INT	CHK

NOTES:

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DATE: _____

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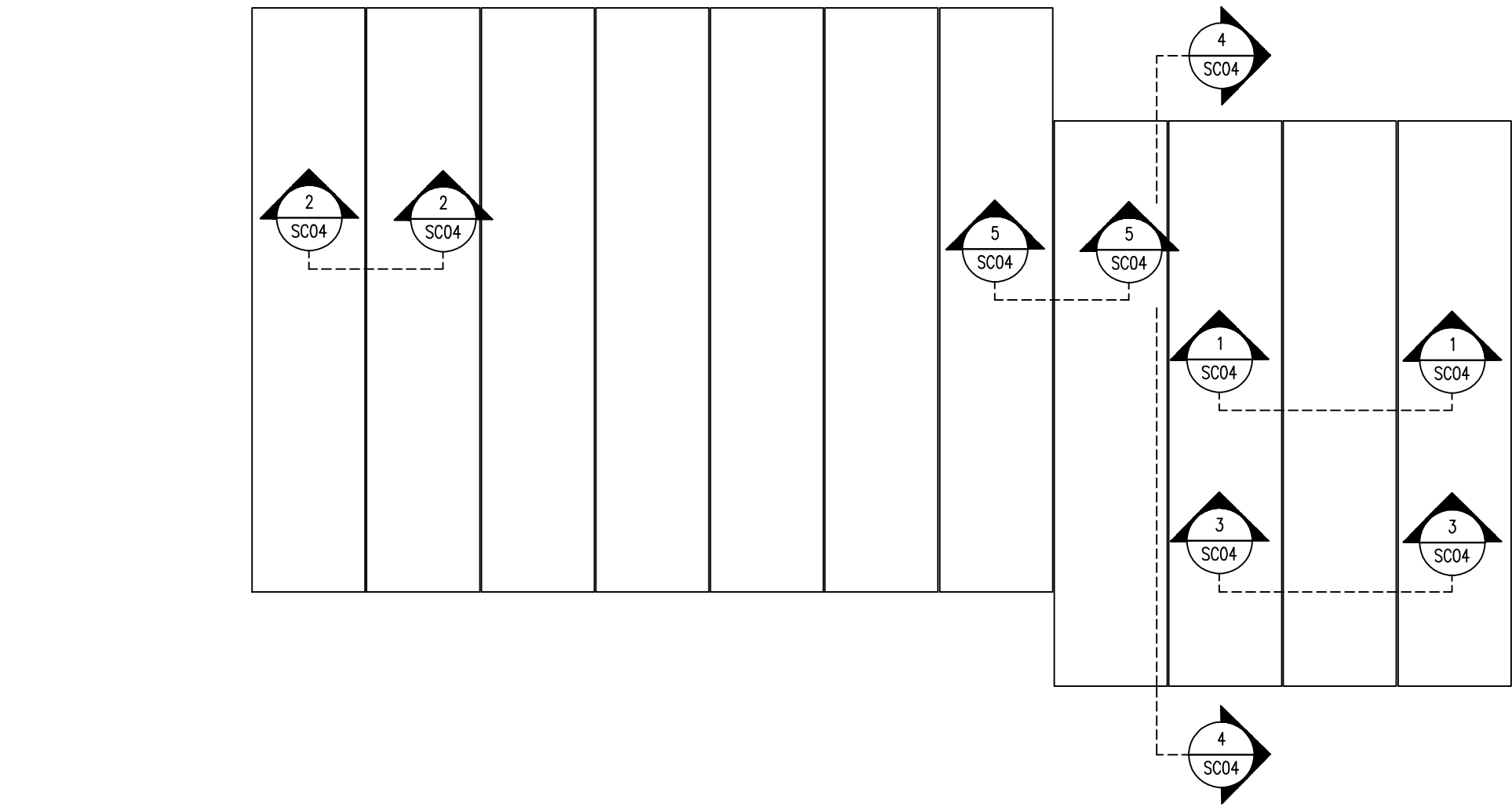
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EXTERIOR STAIRS AND LANDINGS DETAILS

DRAWING NO:
D-410000386-1-SC02

REVISION	2
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ATCO Structures



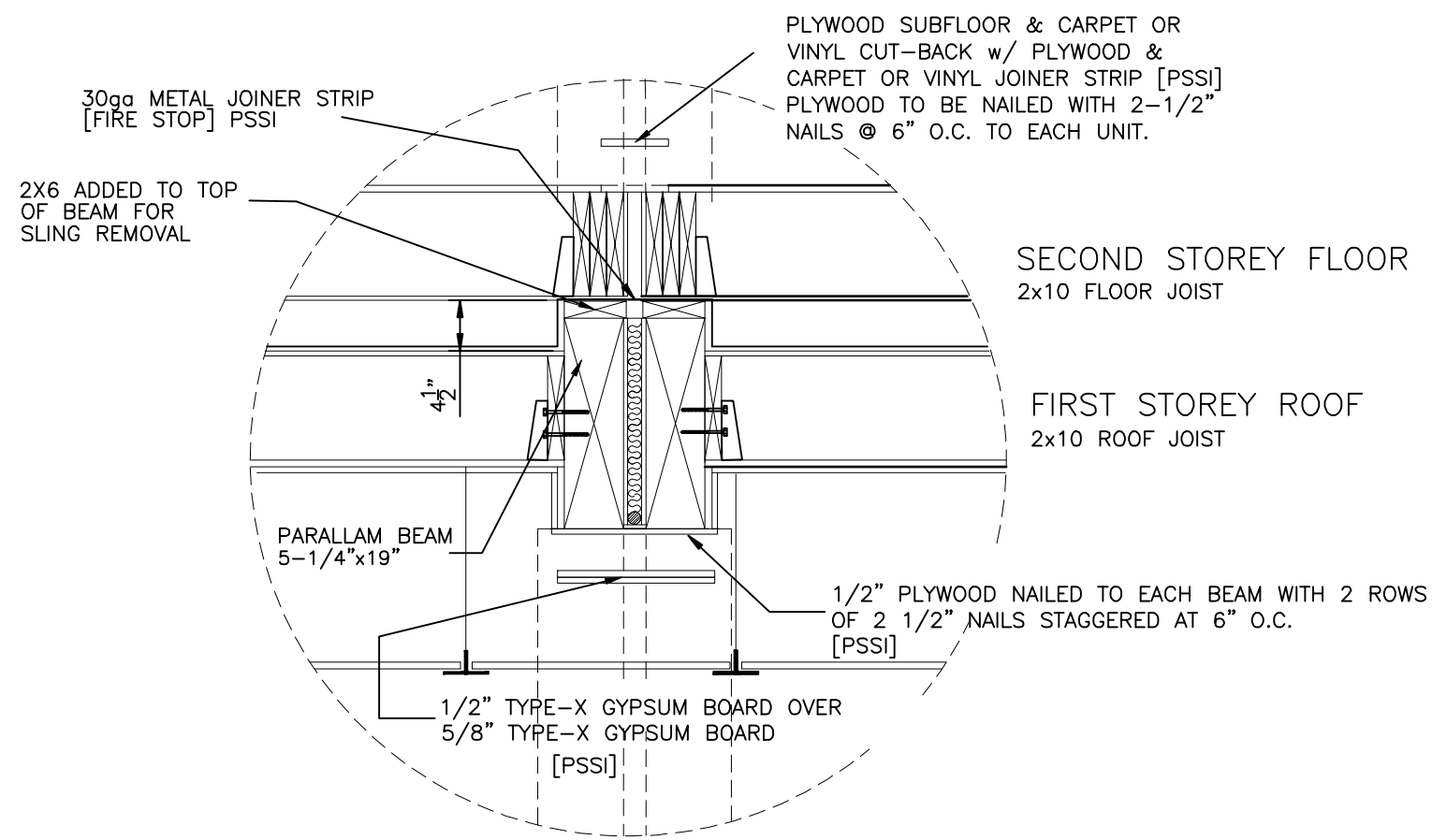
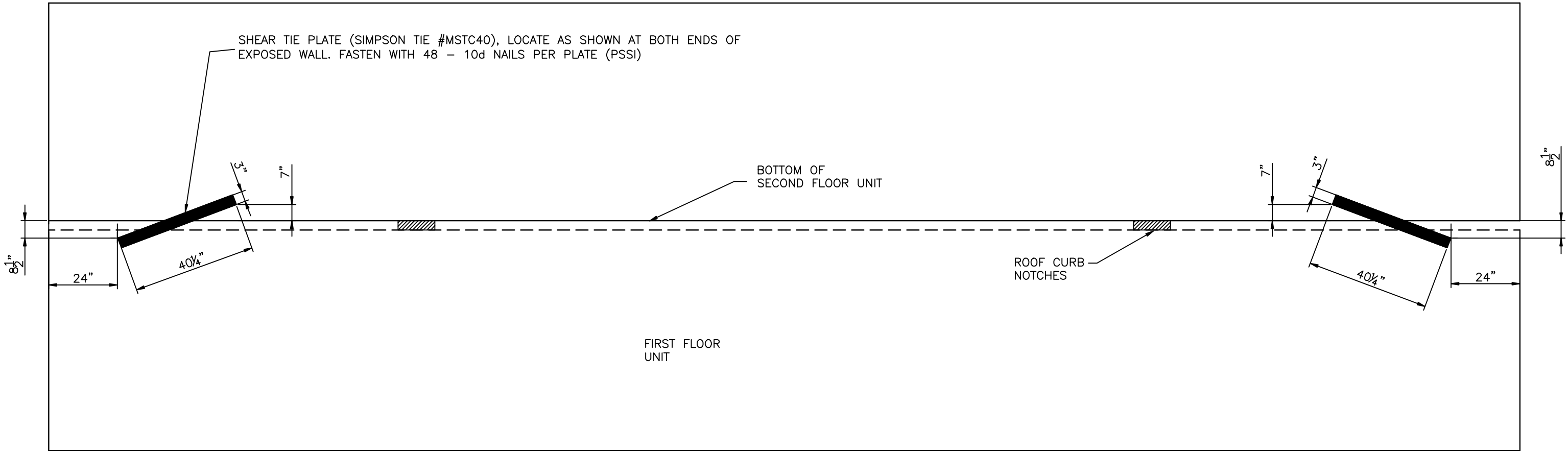
FIRST STOREY	UNIT #1	UNIT #2	UNIT #3	UNIT #4	UNIT #5	UNIT #6	UNIT #7	UNIT #8	UNIT #9	UNIT #10	UNIT #11
SECOND STOREY	UNIT #12	UNIT #13	UNIT #14	UNIT #15	UNIT #16	UNIT #17	UNIT #18	UNIT #19	UNIT #20	UNIT #21	UNIT #22

SCALE 1/16"=1'-0"

1. SET UNITS STARTING AT THE UNIT #11 END OF THE BUILDING.
2. SET UNIT #11 AND INSTALL THE TWO 'MSTC40' STRAPS.
3. SET UNIT #10 AND INSTALL 30 GA FIRE STOP FROM CURB TO CURB OF UNITS #10-11 SLITTING THE FIRE STOP OVER THE 'MSTC40' STRAPS.
4. SET UNIT #22 OVER UNIT #11 AND CONNECT 'MSTC40' STRAPS TO UNIT #22 WORKING FROM THE ROOF OF UNIT #10.
5. PROCEED IN THIS SAME FASHION WITH UNITS #9, 21, 8, 20 ETC.
6. THE ABOVE SEQUENCE IS CRITICAL TO ENSURE 'MSTC40' STRAPS ARE CONNECTED TO THE CORRECT SHEAR WALLS. IF OR ANY REASON THIS SEQUENCE IS NOT POSSIBLE CONTACT ATCO ENGINEERING IMMEDIATELY FOR ALTERNATE INSTRUCTIONS.
7. TO ENSURE PROPER LATERAL SHEAR TRANSFER THE FOLLOWING CONNECTIONS ARE IMPERATIVE:
 - A) 1/2" PLYWOOD STRIPS ARE TO BE NAILED WITH 2-1/2" NAILS @ 6"o.c. TO EACH UNIT ALONG ALL SECOND FLOOR MOD LINES. SEE DETAIL '2' AND '3' ON THIS PAGE.
 - B) 1/2" PLYWOOD STRIPS ARE TO BE NAILED WITH 2 ROWS OF 2-1/2" NAILS @ 6"o.c. TO THE UNDERSIDE OF EACH OF THE ROOF BEAMS ON FIRST AND SECOND FLOORS AT MODLINE BETWEEN UNITS #9,10,11 AND #20,21,22. SEE DETAIL '1' AND '3' ON THIS PAGE.
 - C) PLYWOOD SUBFLOOR FILLER STRIPS AT SECOND FLOOR JOINTS ARE TO BE NAILED WITH 2-1/2" NAILS @ 6"o.c. TO EACH UNIT. SEE DWG # D02, DETAIL '2' AND '3'

4
SC04

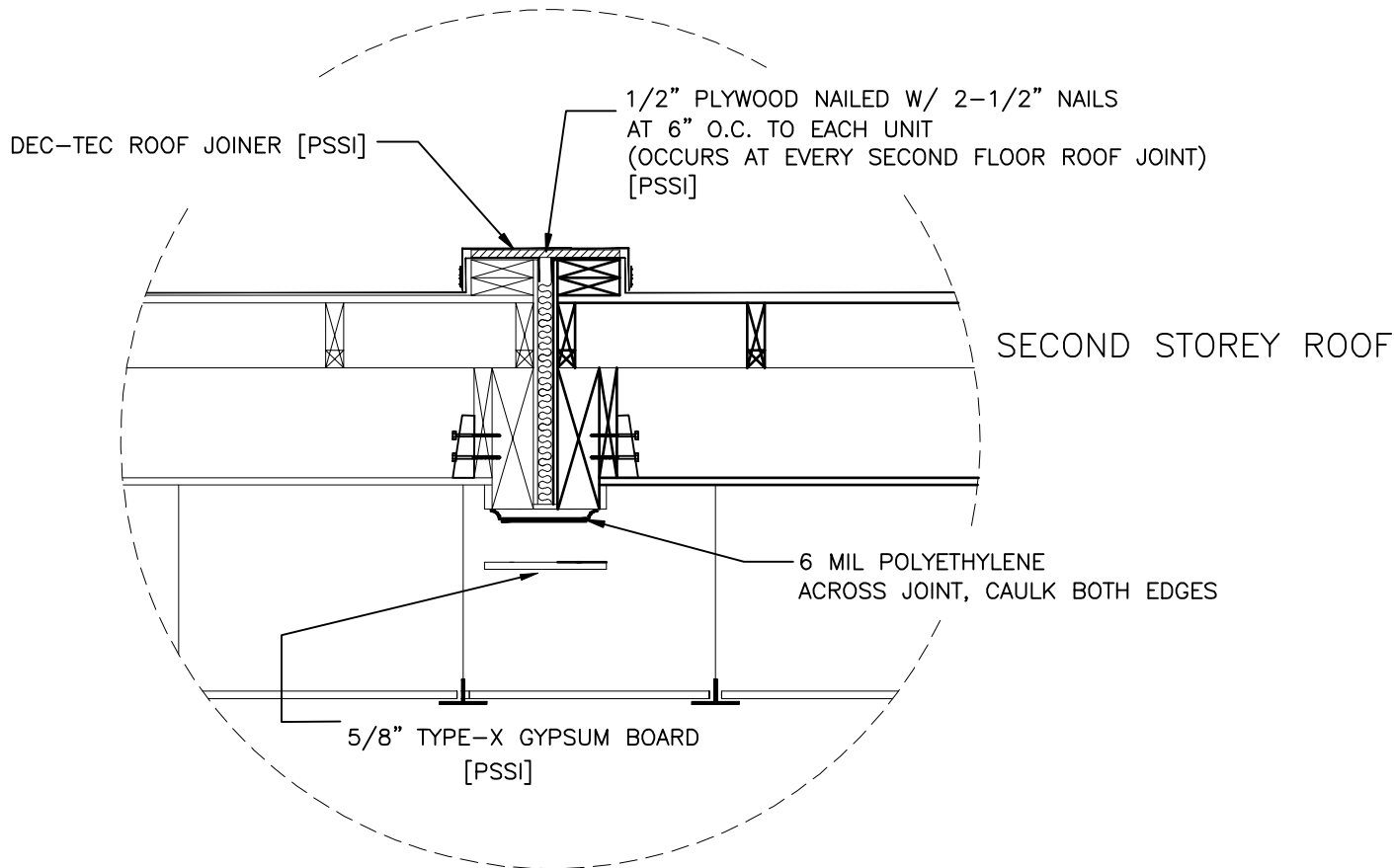
SHEAR TIE PLATES INSTALLATION
FIRST FLOOR AND SECOND FLOOR CONNECTION
SCALE 1/8"=1'-0"



1
SC04

UNIT TO UNIT CONNECTION
UNIT #9/10 & 10/11 (FIRST STOREY)

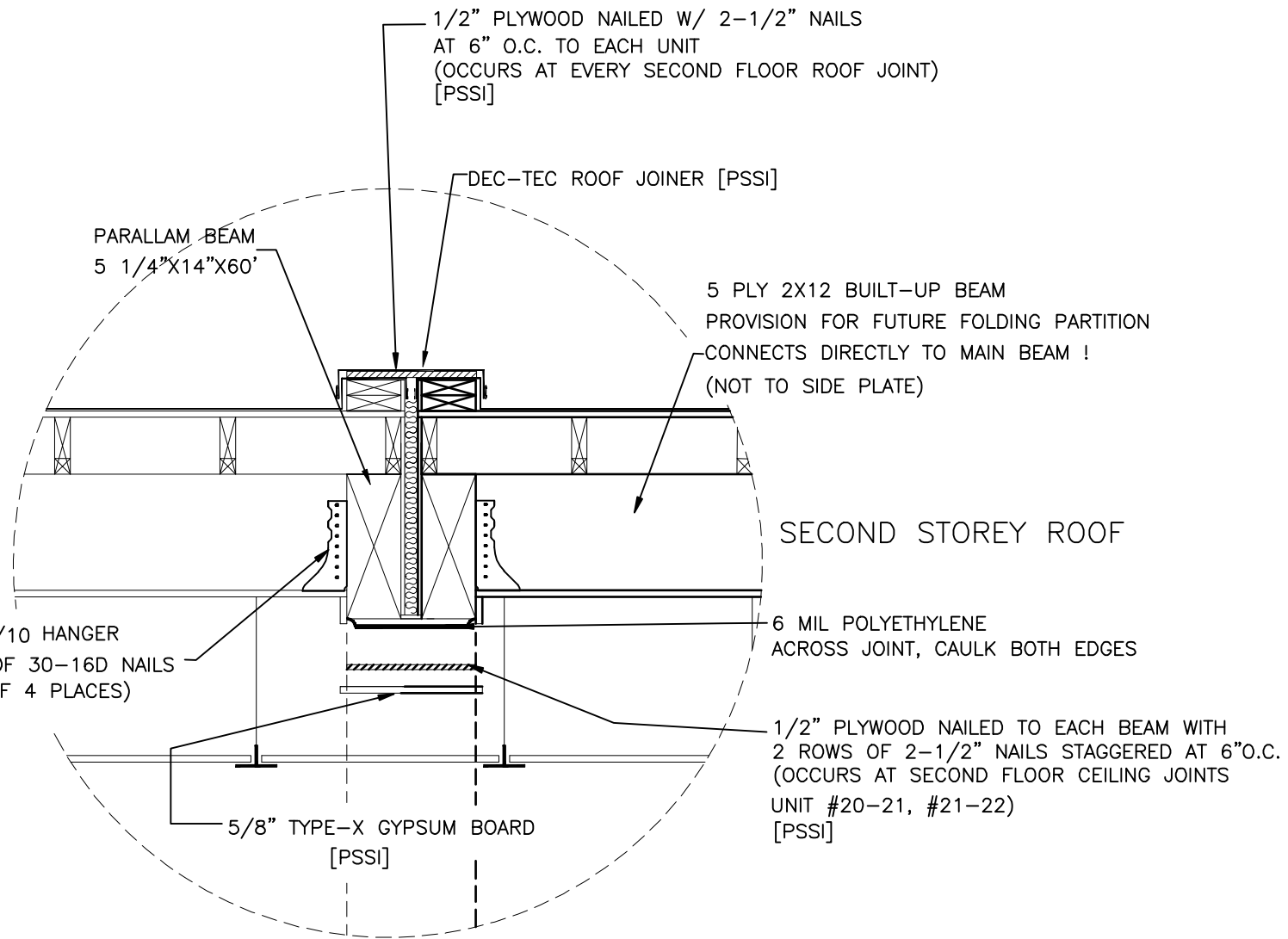
SCALE 3/4"=1'-0"



2
SC04

UNIT TO UNIT CONNECTION
UNIT #12/13, 13/14, 14/15, 15/16, 17/18, 19/20 (SECOND STOREY)

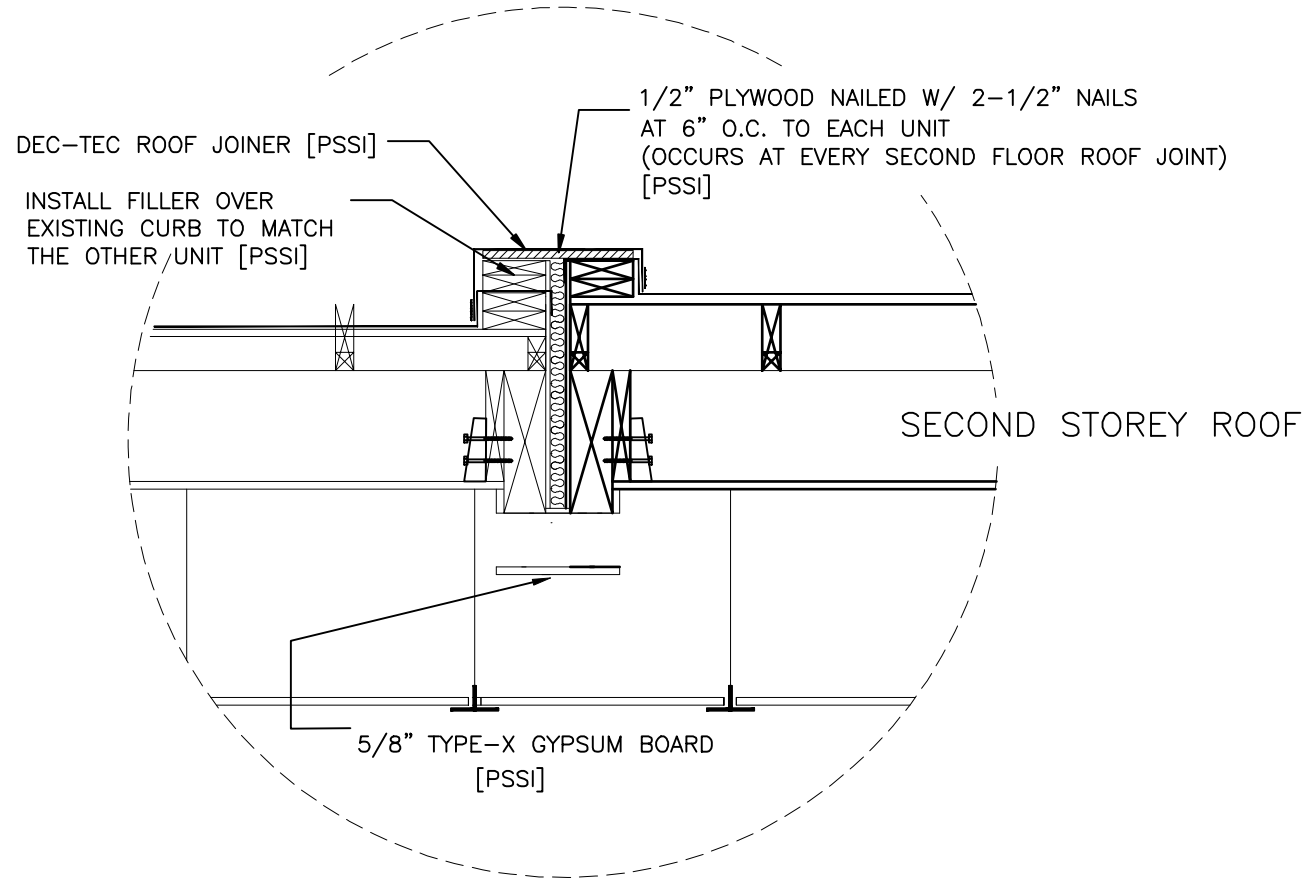
SCALE 3/4"=1'-0"



3
SC04

UNIT TO UNIT CONNECTION
UNIT #20/21 & 21/22 (SECOND STOREY)

SCALE 3/4"=1'-0"



5
SC04

UNIT TO UNIT CONNECTION
UNIT #18/19 (SECOND STOREY)

SCALE 3/4"=1'-0"

REV	DATE	DESCRIPTION	BY	INT	CHK
1	14APR09	AS-BUILTS			AH
0	13MAR08	ISSUE FOR SITE CONSTRUCTION			AH

NOTES:

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DRAWING TITLE:
UNIT TO UNIT
SHEAR CONNECTION
DETAILS

DRAWING NO:
D-410000386-1-SC04

REVISION

3

ATCO Structures

INTERIOR FINISHES

FLOOR VINYL CARPET	2mm POLYTOR XL #9110 WASHROOM TRAFIX® PLUS, #5029 DESTINATION
WALL 5/8" TYPE X GYPSUM BD 1/2" TYPE X VC GYPSUM BD 1/2" TYPE X VC GYPSUM BD 3/4" FRP-DENSHIELD	PAINTED #8314M SILVERED BARK MAPA BEIGE C/W MATCHING VC BATTENS UNPAINTED MAPA BEIGE C/W MATCHING VC BATTENS WHITE, 36" HIGH AT WALLS FACING THE MOP SINK
CEILING 5/8" TYPE X GYPSUM BD 2-5/8" TYPE X GYPSUM BD DROP CEILING	UNPAINTED, JOINTS TAPED AND FILLED UNPAINTED-FURANCE ROOM, ELECTRICAL ROOM, FILES ROOM, COMM. ROOM 5/8"x2 1/2" CORTICA SQUARE LAY-IN #769 W/ HANGERS AND T-BAR GRID TO ALL ROOM, EXCEPT STARWELL ● ELECTRICAL ROOM AT SECOND STOREY
TRIMS DOOR/WINDOW CASING BASEBOARD WINDOW BLINDS	#3000-DRIFTWOOD JOHNSONITE # 76 CINNAMON VERTICAN #123 VALVE
MILLWORK BIRCH VENEER LAMINATE	AUTUMN CHERRY ARBORITE P-278 CA, MISSISSIPPI BEDROCK
STARWELL TRIM	1x8" FINGER JOINT PINE CAP

EXTERIOR FINISHES

STARTER US CREME, #COW23W, EGGSHELL US CREME, #COW23W, EGGSHELL OUTSIDE CORNERS TOP FASCA BAND BOTTOM FASCA BAND FASCA DECKER BAND FASCA BACKING ENTRANCE TRIM BROWALLO DRESSING DOOR & J-TRIMS MANSARD ROOF FINISH	US CREME, #COW23W, EGGSHELL US CREME, #COW23W, EGGSHELL HERBIVORE, #8173M, SEMI GLOSS HERBIVORE, #8173M, SEMI GLOSS HERBIVORE, #8173M, SEMI GLOSS HERBIVORE, #8173M, SEMI GLOSS US CREME, #COW23W, EGGSHELL HERBIVORE, #8173M, SEMI GLOSS HERBIVORE, #8173M, SEMI GLOSS HERBIVORE, #8173M, SEMI GLOSS HERBIVORE, #8173M, SEMI GLOSS HERBIVORE, #8173M, SEMI GLOSS HERBIVORE, #8173M, SEMI GLOSS ASPHALT SHINGLES
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FLOOR SPECIFICATIONS

F-01 SHEATHING FLOOR JOISTS, MAIN FLOOR	3/8" OSB, STAPLED 5 1/8"x9 1/4" WESTLUM GLULAM 20F EX SIDE AND END PLATE WITH SIMPSON HUCO 610-S05 2.5 HANGERS AND 2x10 SPF @ 16" O.C. C/W LUS210 JOIST HANGERS 2x10 SPF @ 8" O.C. C/W LUS210 JOIST HANGERS IN FILE ROOM ONLY (MAIN FLOOR) 2x10 SPF @ 16" O.C. C/W LUS210 JOIST HANGERS, TRIPLE SIDE AND TRIPLE END PLATES 5-1/2" FIBERGLASS BATT [R-20] 3-1/2" FIBERGLASS BATT [R-12] 1" WIDE TO PERIMETER OF UNITS 5/8" SELECT T & G PLY - GULED, SCREWED & STAPLED 3" CUTBACK AT MATING WALLS POLYTOR WITH WELDED SEAMS TO HALWAY, LUNCH AREA AND SERVICE ROOM, CARPET AS INDICATED IN OFFICES, ROLLBACK AT MATING WALLS, SEE DWG #A01 AND #A02 FOR DETAILS, FLOOR WAX AND SEALANT 8" RAISED FLOOR TO MOP SINK
FLOOR JOISTS, SECOND FLOOR INSULATION	5-1/2" FIBERGLASS BATT [R-20] 3-1/2" FIBERGLASS BATT [R-12]
SUBFLOOR FINISH REMARKS	3" CUTBACK AT MATING WALLS POLYTOR WITH WELDED SEAMS TO HALWAY, LUNCH AREA AND SERVICE ROOM, CARPET AS INDICATED IN OFFICES, ROLLBACK AT MATING WALLS, SEE DWG #A01 AND #A02 FOR DETAILS, FLOOR WAX AND SEALANT 8" RAISED FLOOR TO MOP SINK

EXTERIOR WALLS & MATING WALLS SPECIFICATIONS

W-01 WALL HEIGHT CEILING HEIGHT EXPOSED OSB STARTER EXTERIOR FINISH OUTSIDE CORNER	EXTERIOR WALL 10'-6" 9'-0" PAINTED US CREME #COW23W SATIN FINISH 30 GAUGE METAL F4, PAINTED, STAPLED 7/16" x 120" (FIRST STOREY), 7/16"x96" (SECOND STOREY) SMART PANEL, GROOVED WOOD SINKING, PAINTED TWO COATS 7/16" SMART PANEL RIPPED AT 3 1/2" WIDE, PAINTED TWO COATS 5/8"x31-3/4" GREEZONE PLWOOD, 1" SHORTER THAN FASCA BAND 5/16"x1/2" SMOOTH HARDPLANK PRIMED AND PAINTED TWO COATS 5/16"x7 1/4" SMOOTH HARDPLANK, PRIMED AND PAINTED TWO COATS 5/16"x7 1/4" SMOOTH HARDPLANK, PRIMED AND PAINTED TWO COATS, INSTALLED VERTICALLY 1 1/4" TO PERIMETER OF UNIT 3/8" OSB, EXTERIOR GRADE GULED AND NAILED W/ 2x5" LG x 0129 ● NAILS @ 6.0.C TO PERIMETER @ 12" O.C. TO FIELD. 2x6 SPF @ 16" O.C. TO PERIMETER OF UNIT 5-1/2" FIBERGLASS BATT TO [R20] 6 mil POLYETHYLENE COSSB 1/2" TYPE X VC GYPSUM BOARD C/W MATCHING VC BATTENS, STAGGERED JOINTS TO BASE LAYER OVER 1/2" TYPE X GYPSUM BOARD. 1/2" TYPE X VC GYPSUM BOARD C/W MATCHING VC BATTENS, STAGGERED JOINTS TO BASE LAYER OVER 5/8" TYPE X GYPSUM BOARD TO STARWELL 4" RUBBER
FASCA TOP BAND FASCA BOTTOM BAND ENTRANCE TRIM BUILDING PAPER SHEATHING STUDS INSULATION VAPOUR BARRIER INTERIOR FINISH	PAINTED US CREME #COW23W SATIN FINISH 30 GAUGE METAL F4, PAINTED, STAPLED 7/16" x 120" (FIRST STOREY), 7/16"x96" (SECOND STOREY) SMART PANEL, GROOVED WOOD SINKING, PAINTED TWO COATS 7/16" SMART PANEL RIPPED AT 3 1/2" WIDE, PAINTED TWO COATS 5/8"x31-3/4" GREEZONE PLWOOD, 1" SHORTER THAN FASCA BAND 5/16"x1/2" SMOOTH HARDPLANK PRIMED AND PAINTED TWO COATS 5/16"x7 1/4" SMOOTH HARDPLANK, PRIMED AND PAINTED TWO COATS 5/16"x7 1/4" SMOOTH HARDPLANK, PRIMED AND PAINTED TWO COATS, INSTALLED VERTICALLY 1 1/4" TO PERIMETER OF UNIT 3/8" OSB, EXTERIOR GRADE GULED AND NAILED W/ 2x5" LG x 0129 ● NAILS @ 6.0.C TO PERIMETER @ 12" O.C. TO FIELD. 2x6 SPF @ 16" O.C. TO PERIMETER OF UNIT 5-1/2" FIBERGLASS BATT TO [R20] 6 mil POLYETHYLENE COSSB 1/2" TYPE X VC GYPSUM BOARD C/W MATCHING VC BATTENS, STAGGERED JOINTS TO BASE LAYER OVER 1/2" TYPE X GYPSUM BOARD. 1/2" TYPE X VC GYPSUM BOARD C/W MATCHING VC BATTENS, STAGGERED JOINTS TO BASE LAYER OVER 5/8" TYPE X GYPSUM BOARD TO STARWELL 4" RUBBER

W-02

WALL HEIGHT CEILING HEIGHT EXTERIOR SHEATHING STUDS INSULATION VAPOUR BARRIER	MATING WALL 10'-6" 9'-0" 3/8" OSB, GULED @ NAILED WITH 2x5" LG x0.129 ● NAILS @ 6" O.C. TO PERIMETER @ 12" O.C. TO FIELD. 2x6 SPF @ 16" O.C. TO MATING WALLS AT MAIN FLOOR AND UNIT #20, #21, #22 SECOND STOREY 2x6 SPF @ 16" O.C. TO MATING WALLS AT SECOND STOREY TYPICALLY 2x6 SPF @ 16" O.C. TO MATING WALL AT STARWELL B 5-1/2" FIBERGLASS BATT [R-20] TO 6" WALLS, 3-1/2" FIBERGLASS BATT [R-12] TO 4" WALLS 6 mil POLYETHYLENE COSSB
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SPECIFICATIONS

INTERIOR FINISH	1/2" TYPE X VC GYPSUM BOARD C/W MATCHING VC BATTENS, STAGGERED JOINTS TO BASE LAYER (TYPICAL FOR FIRST STOREY) OVER 1/2" TYPE X GYPSUM BOARD 1/2" TYPE X VC GYPSUM BOARD C/W MATCHING VC BATTENS TO MATING WALLS AT SECOND STOREY 1/2" TYPE X VC GYPSUM BOARD C/W MATCHING VC BATTENS, STAGGERED JOINTS TO BASE LAYER OVER 5/8" TYPE X GYPSUM BOARD TO STARWELL 5/8" TYPE X GYPSUM BOARD, UNPAINTED IN ELECTRICAL, COMMUNICATION AND SERVER ROOM, JOINTS TAPED AND FINISHED 4" [100mm] RUBBER IN THE FIRST FLOOR ONLY, ALL ROUGH OPENINGS (DUCTWORK, DOORS ETC.) PENETRATING MATING WALLS HAVE TO BE LINED WITH 1 LAYER 5/8" TYPE X GYPSUM BOARD
BASEBOARD REMARKS	

INTERIOR WALLS SPECIFICATIONS

W-03 WALL HEIGHT CEILING HEIGHT FINISH STUDS INSULATION BASEBOARD REMARKS	ALL INTERIOR WALLS TO BE FULL HEIGHT WALLS WITH INSULATION. INTERIOR PARTITION-TYPICAL 10'-6" 9'-0" 1/2" TYPE X VC GYPSUM BOARD C/W MATCHING VC BATTENS OVER 7/16" SOUNDBOARD TO OFFICE AND WASHROOM WALLS AS NOTED (-SD-) ON DRAWINGS 2x4 SPF @ 16" O.C. 3 1/2" FIBERGLASS BATT [R12] 4" RUBBER 2mm POLYTOR BACKSPLASH AND SIDESPLASH TO URINALS
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W-04

WALL HEIGHT CEILING HEIGHT FINISH STUDS INSULATION BASEBOARD REMARKS	INTERIOR PARTITION AT STARWELL, ELECTRICAL, COMMUNICATIONS, SERVER, JANITOR AND FILES ROOM 10'-6" 9'-0" 1/2" TYPE X VC GYPSUM BOARD C/W MATCHING VC BATTENS, STAGGERED JOINTS TO BASE LAYER OVER 5/8" TYPE X GYPSUM BOARD TO BOTH SIDES OF STUDS 2x4 SPF @ 16" O.C. 3 1/2" FIBERGLASS BATT [R12] 4" RUBBER 1/8" FRP OVER 5/8" DENSHIELD TO WALLS OF MOP SINK.
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W-05

STUDS INSULATION BASEBOARD REMARKS	SHIPPING WALL 2x4 SPF @ 2x4" O.C. C/W 3/8" OSB SHEATHING, ECONO
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W-06

MECHANICAL SHAFT ELECTRICAL CHASE PIPE PENETRATIONS TO BE SEALED WITH 45 MIN NON COMBUSTIBLE FIRE STOPS.	COLUMN POCKET 5/8" TYPE X VC GYPSUM BOARD, STAPLED, TO ALL UNPROTECTED SIDES OF COLUMNS
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W-07 FINISH TO INTERIOR	VERTICAL SERVICE PENETRATIONS (ELECTRICAL, HVAC), SERVICE SHAFT PARTITIONS ALL PENETRATIONS FROM FIRST TO SECOND FLOOR HAVE TO BE LINED WITH 1 LAYER OF 5/8" TYPE X GYPSUM BOARD JOINT BETWEEN UNIT TO BE FILLED AND TAPED (PSS)
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ROOF SPECIFICATIONS

RF-01 ROOFING SHEATHING WEEDS INSULATION VAPOUR BARRIER CEILING FINISH	TOP ROOF 0x7 DEC-TEC ROOFING, FULLY ADHERED, WHITE W/ ALUMINUM TERMINATION BAR, DRIVE CLEAT TO MATING WALLS 5/8" 1x6 PLWOOD, SCREWED & SANDED 2x6x2 SLOPED WEEDS @ 16" O.C. 2x10 SPF @ 16" O.C. 6 mil POLYETHYLENE ELASTOMER ADHES WITH FIBERGLASS BATT 5/8" TYPE X GYPSUM BOARD, TAPED AND FILLED SUSPENDED CEILING CORTICA SQUARE LAY-IN W/ HANGERS AND T-BAR GRID SECOND LAYER OF 5/8" TYPE X GYPSUM BOARD, JOINTS TAPED AND FILLED ● ELECTRICAL ROOM AND STARWELL PAINTED AT STARWELL W/ MATCHING BATTENS 5/8" TYPE X GYPSUM BOARD, TAPED AND FILLED LUMBER ROOF TRUSS @24 O.C SEE DETAIL AT DWG #002 ROOF DECKING - ARISTOCRAFT 25" WEATHERWOOD EAVESTROUGH - WHITE SEMI GLOSS
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RF-02

FIRE STOP ROOFING SHEATHING JOIST INSULATION VAPOUR BARRIER CEILING FINISH	ROOF OVER FIRST STOREY 30 ga METAL JOINER STRIP COVERING THE GAP BETWEEN THE MATING WALLS (PSS) PONDULNER SHIPPING ROOF 15/32" OSB - SCREWED 2x10 SPF @ 16" O.C. WITH DOUBLE END AND SIDE PLATES FILL CAVITY WITH FIBERGLASS BATT 6 mil POLYETHYLENE 1/2" TYPE X GYPSUM BOARD, TAPED AND FILLED, SCREWED, STAGGERED JOINTS OVER 5/8" TYPE X GYPSUM BOARD, TAPED AND FILLED SUSPENDED CEILING, CORTICA SQUARE LAY-IN W/HANGERS AND T-BAR GRID SECOND LAYER OF 5/8" TYPE X GYPSUM BOARD, JOINTS TAPED AND FINISHED ● ELECTRICAL, FILES, COMM., SERVER ROOM 1/2" TYPE X GYPSUM BOARD, TAPED AND FILLED, SCREWED, STAGGERED JOINTS OVER 5/8" TYPE X GYPSUM BOARD
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CUSTOMER ACCEPTANCE

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EQUIPMENT LIST

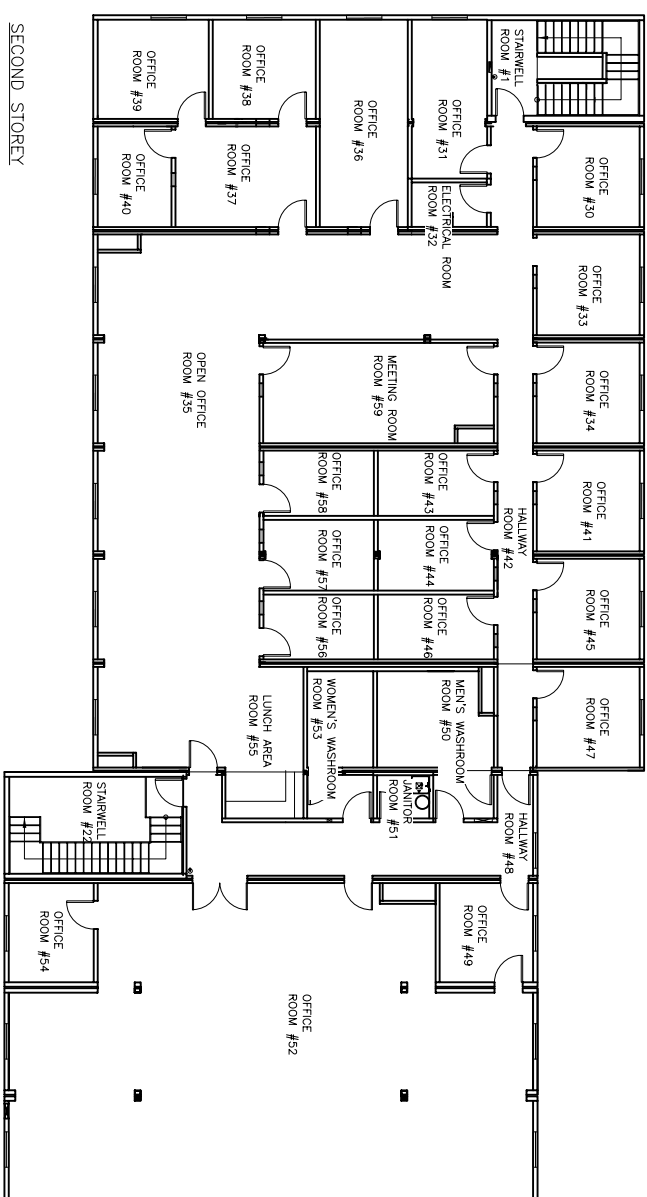
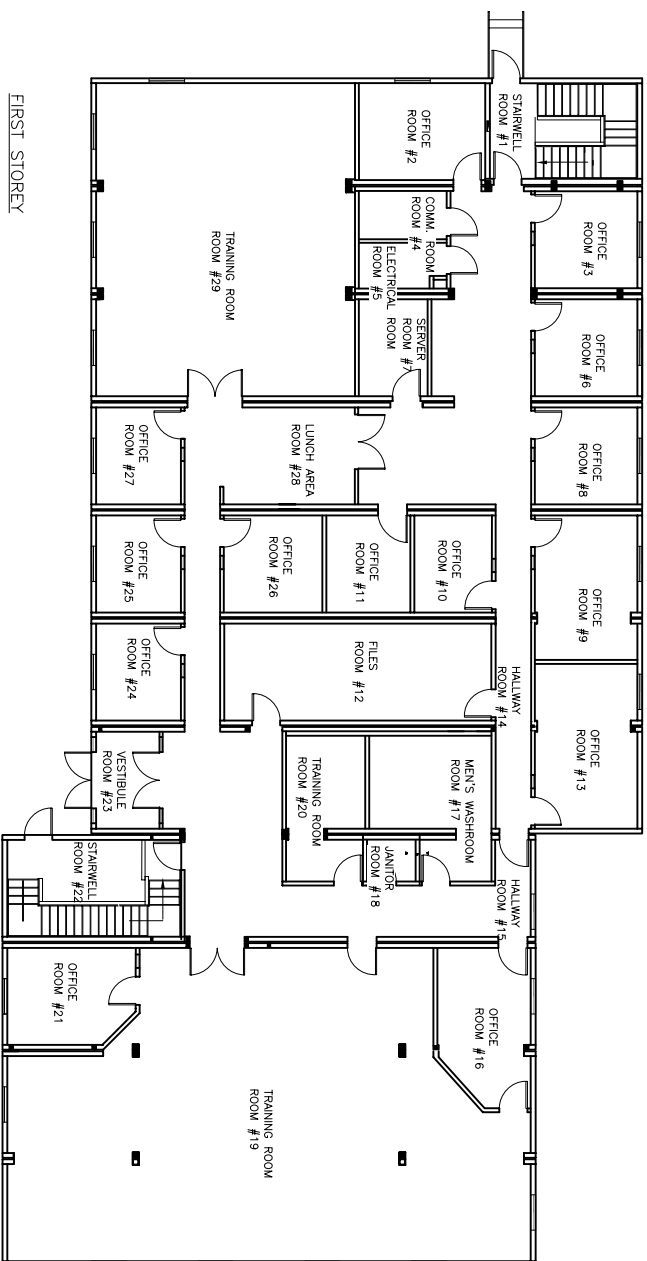
EQUIPMENT NO.		SIZE	BASE		UNIT NO.		FIRST STOREY										SECOND STOREY										
			300	HMC:		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
301	7.5 TON	EA	EA	CARRIER 48HE08 ROOFTOP HEAT/COOL UNIT, 7.5 TON COOLING CAPACITY, C/W ECONOMIZER, AUTO-CHANGEOVER THERMOSTAT	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
302	5.0 TON	EA	EA	CARRIER 48HE06 ROOFTOP HEAT/COOL UNIT, 5.0 TON COOLING CAPACITY, C/W ECONOMIZER, AUTO-CHANGEOVER THERMOSTAT	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0
303	196 CFM	EA	EA	EXHAUST FAN JENCO FF-200, CEILING MOUNTED, DUCTED TO EXTERIOR WALL C/W 8" WALL CAP	5	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304	388 CFM	EA	EA	EXHAUST FAN JENCO FF-400, CEILING MOUNTED, DUCTED TO EXTERIOR WALL C/W HOOD	4	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	1	0
305	450 CFM	EA	EA	EXHAUST FAN JENCO FF-500, CEILING MOUNTED, DUCTED TO EXTERIOR WALL C/W HOOD	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
306	70 CFM	EA	EA	EXHAUST FAN BROAN EC-70, CEILING MOUNTED, DUCTED TO EXTERIOR WALL C/W CAP	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
307	3000 W	EA	EA	ELECTRIC FORCE FLOW HEATER, C/W INTEGRAL THERMOSTAT	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
308	3000 W	EA	EA	ELECTRIC FORCE FLOW HEATER, C/W INTEGRAL THERMOSTAT	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
309	7" x 8"	EA	EA	FIRE DAMPER FOR 5" PPE, WALL MOUNTED	4	0	2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
310	5" x 6"	EA	EA	FIRE DAMPER FOR 3" PPE, WALL MOUNTED	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
311	12" x 8"	EA	EA	FIRE DAMPER FOR RETURN AIR ELBOW, WALL MOUNTED	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
312	10" x 10"	EA	EA	FIRE DAMPER FOR S/A DUCT, WALL MOUNTED	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
313	14" x 10"	EA	EA	FIRE DAMPER FOR S/A DUCT, CEILING MOUNTED	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
314	16" x 10"	EA	EA	FIRE DAMPER FOR S/A DUCT & R/A SHAFT, CEILING MOUNTED	4	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
315	16" x 12"	EA	EA	FIRE DAMPER FOR S/A, R/A SHAFT, CEILING MOUNTED	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
316	18" x 12"	EA	EA	FIRE DAMPER FOR S/A, R/A SHAFT, CEILING MOUNTED	3	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
317	28" x 14"	EA	EA	FIRE DAMPER FOR S/A, R/A SHAFT, CEILING MOUNTED	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
318	2 GALLON	EA	EA	WATER HEATER, "BHEIM" RE-2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
319	12 GALLON	EA	EA	WATER HEATER, "A.O.SMITH" DEL-10	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
320	350 CFM	EA	EA	EXHAUST FAN BROAN #504, CEILING MOUNTED																							

[illegible]

DOOR & WINDOW SCHEDULE

IDENTIFICATION				DOORS				FRAMES				HARDWARE				MISCELLANEOUS				
NUMBER	QUANTITY 1st.FLR	QUANTITY 2nd.FLR	TYPE	SWING	SIZE EXT/INT	ROUGH OPENING	A.F.F.	DOOR COMPOSITION	EXT. COLOUR	INT. COLOUR	LITE SIZE	FRAME	FRAME COLOUR	JAMB SIZE	THRESHOLD	FIRE RATING	LOCK MAUNFACTURER	KEYING	HARDWARE	MISC.
101	1	0	D	RHR/LHR	36"/36"x84" EXT	116 1/2"x86"	0"	WESCOM	CLEAR ANODIZED	CLEAR ANODIZED	18" SIDE	ALUMINIUM	CLEAR ANODIZED	-	HANDICAP	-	-	-	23	SEE NOTE #1, AUTOMATIC DOOR CLOSER W/ DOOR 104
102	1	0	B	LHR	36"x80" EXT	37 3/8"x81 1/4"	0"	INDUSTRIAL	FACTORY WHITE	FACTORY WHITE	16"x28"	ALUMINIUM	ALUMINIUM	-	-	-	SARGENT	-	9, 15	SEE NOTE #1
103	1	0	B	RHR	36"x80" EXT	37 3/8"x81 1/4"	0"	INDUSTRIAL	FACTORY WHITE	FACTORY WHITE	16"x28"	ALUMINIUM	ALUMINIUM	-	-	-	SARGENT	-	9, 15	SEE NOTE #1
104	1	0	D	RHR/LHR	36"/36"x84" INT	116 1/2"x86"	0"	WESCOM	CLEAR ANODIZED	CLEAR ANODIZED	18" SIDE	ALUMINIUM	CLEAR ANODIZED	-	-	-	-	-	23	SEE NOTE #1, AUTOMATIC DOOR CLOSER W/ DOOR 101
105	4	4	A	RH	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	4 15/16"	-	-	-	-	2, 18	-
106A	1	0	A	RHR	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	5 3/8"	-	-	-	-	2, 18	-
106B	0	5	A	RH	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	5 3/8"	-	-	-	-	2, 18	-
106	6	8	A	LH	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	4 15/16"	-	-	-	-	2, 18	-
106A	1	0	A	LH	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	5 3/8"	-	-	-	-	2, 18	-
107	1	0	A	RH	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	15"	-	-	-	-	2, 18	SPLIT JAMB
107A	0	4	A	RH	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	10"	-	-	-	-	2, 18	SPLIT JAMB
108	0	1	A	LH	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	10"	-	-	-	-	2, 14	SPLIT JAMB
109	1	0	A	RHR	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	15"	-	-	-	-	15,23	SPLIT JAMB
108A	0	2	A	RHR	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	10"	-	-	-	-	14,23	SPLIT JAMB
110	3	0	A	LH	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	15"	-	-	-	-	2, 18	SPLIT JAMB
110A	0	2	A	LH	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	10"	-	-	-	-	2, 18	SPLIT JAMB
111	2	0	B	RH/LH	36"/36"x80" INT	74"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	10"x18"	WOOD	CAST PEBBLE	15"	-	-	-	-	7,15,23	SPLIT JAMB, HEAD/FOOT BOLT TO LH, INACTIVE SIDE
111A	0	1	B	RH/LH	36"/36"x80" INT	74"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	10"x18"	WOOD	CAST PEBBLE	10"	-	-	-	-	7,14,23	SPLIT JAMB, HEAD/FOOT BOLT TO LH, INACTIVE SIDE
112	0	0	B	RHR/LHR	36"/36"x80" INT	74"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	10"x18"	WOOD	CAST PEBBLE	4 1/2"	-	-	-	-	15,23	HEAD/FOOT BOLT TO LHR, INACTIVE SIDE
113	2	1	A	LH	36"x80" INT	37 3/4"x81"	0"	CLASS 'B'	CLAY BEIGE	FACTORY WHITE	-	STEEL K/D	CAST PEBBLE	ADJUSTABLE	-	45 min	-	-	1,14	-
114	1	1	A	RHR	36"x80" INT	37 3/4"x81"	0"	CLASS 'B'	FACTORY WHITE	FACTORY WHITE	-	STEEL K/D	WHITE	ADJUSTABLE	-	45 min	-	-	1,14,15	3" CUT BACK, DELAYED HAND CLOSER TO FIRST FLOOR, WEATHERSTRIPPING
115	2	0	A	LHR	36"x80" INT	37 3/4"x81"	0"	CLASS 'B'	CLAY BEIGE	FACTORY WHITE	-	STEEL K/D	CAST PEBBLE	ADJUSTABLE	-	45 min	-	-	1,14	-
116	1	1	A	RH	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	4 15/16"	-	-	-	-	6,14,15,25	DELAYED HAND CLOSER TO FIRST FLOOR, NOTE #2
117	1	1	A	LH	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	4 15/16"	-	-	-	-	6,14,15,25	DELAYED HAND CLOSER TO FIRST FLOOR, NOTE #2
118	1	0	A	RH	36"x80" INT	37 3/4"x81"	0"	CLASS 'B'	CLAY BEIGE	FACTORY WHITE	-	STEEL K/D	CAST PEBBLE	ADJUSTABLE	-	45 min	-	-	1,14	3" CUT BACK
119	1	1	A	LHR	36"x80" INT	37 3/4"x81"	0"	CLASS 'B'	FACTORY WHITE	FACTORY WHITE	-	STEEL K/D	WHITE	ADJUSTABLE	-	45 min	-	-	1,14,15	WEATHERSTRIPPING, DELAYED HAND CLOSER TO FIRST FLOOR
120	0	1	A	RH	36"x80" INT	37 3/4"x81"	0"	CLASS 'B'	CLAY BEIGE	FACTORY WHITE	-	STEEL K/D	CAST PEBBLE	ADJUSTABLE	-	45 min	-	-	1,14	-
121	0	1	A	LH	36"x80" INT	37 3/4"x81"	0"	CLASS 'B'	CLAY BEIGE	FACTORY WHITE	-	STEEL K/D	CAST PEBBLE	ADJUSTABLE	-	45 min	-	-	1,14	3" CUT BACK
122	0	1	A	LHR	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	10"	-	-	-	-	15,23	SPLIT JAMB
123	0	1	A	RH	36"x80" INT	38"x82"	0"	SOLID CORE	DRIFTWOOD	DRIFTWOOD	-	WOOD	CAST PEBBLE	14"	-	-	-	-	2,18	SPLIT JAMB

[illegible]



KEY SCHEDULE

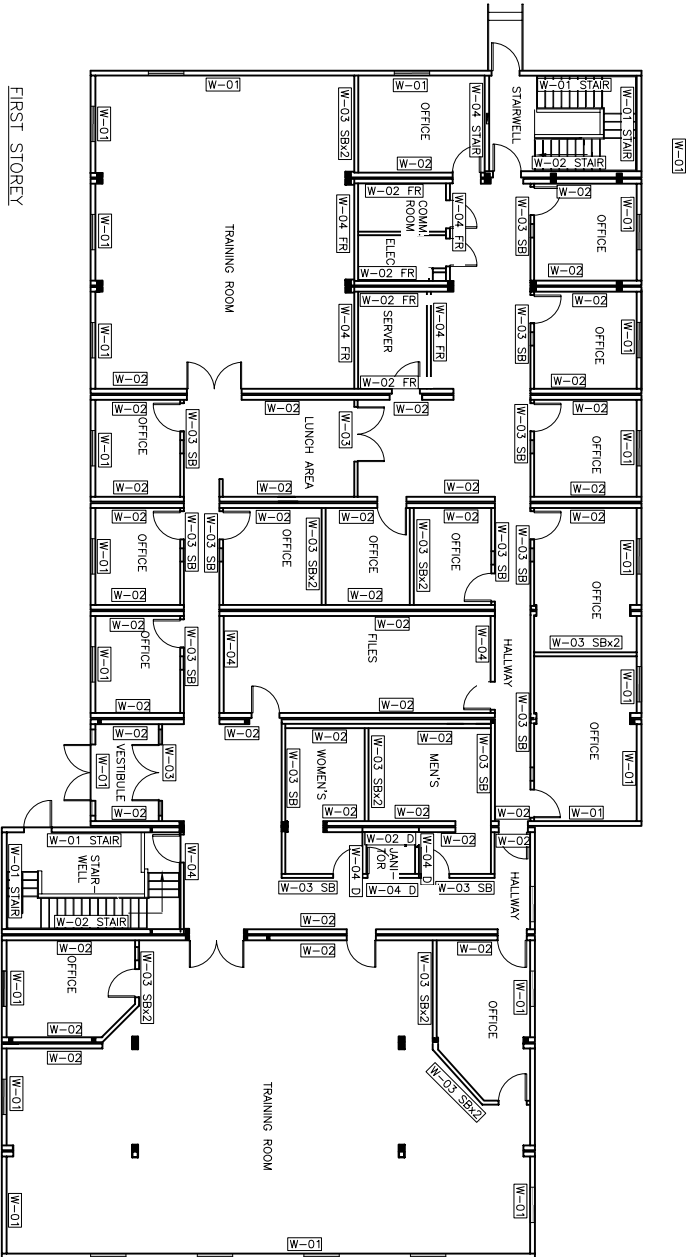
1 GRAND MASTER KEY, STAMPED WITH 'A' TO ALL LOCKABLE DOORS FIRST AND SECOND STOREY

2 SUB MASTER KEY'S, STAMPED WITH 'B' TO FOLLOWING OFFICES ON THE FIRST STOREY ROOM #2, #3, #6, #8, #9, #10, #11, #13

2 SUB MASTER KEY'S, STAMPED WITH 'C' TO FOLLOWING OFFICES ON THE FIRST STOREY ROOM #24, #25, #26, #27

ALL LOCKABLE DOORS FIRST AND SECOND STOREY TO BE KEYED DIFFERENT.

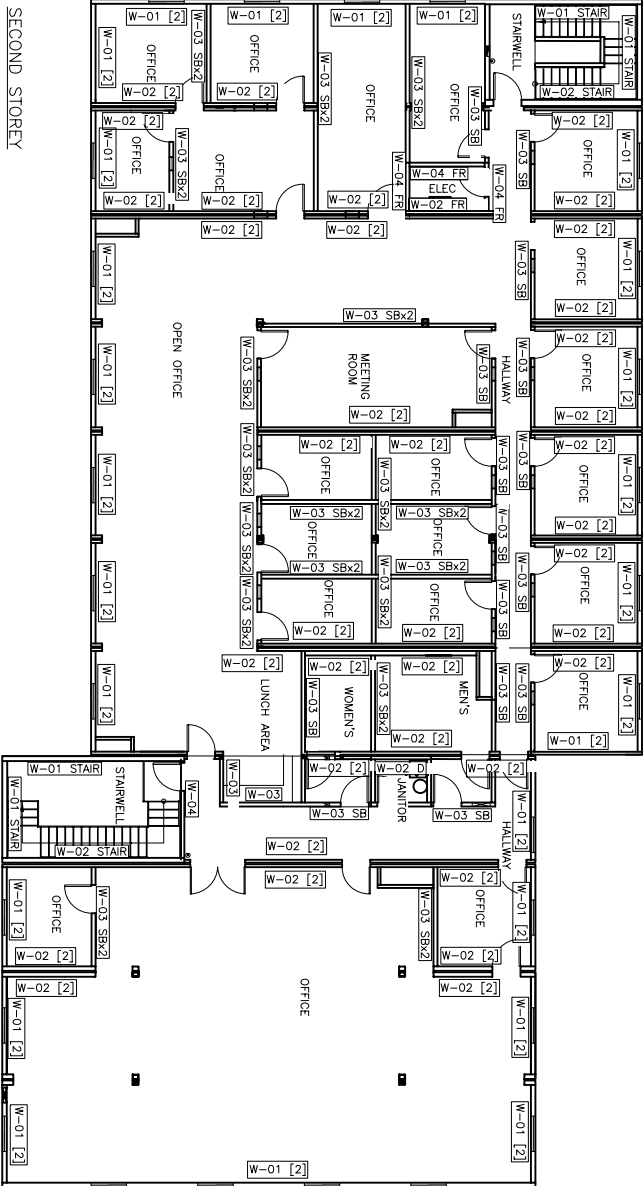
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FIRST STOREY

INTERIOR FINISH OF WALL ASSEMBLIES
BASE LAYER IS MENTIONED FIRST

- W-01 1/2" TYPE-X GYPSUM BOARD
- W-02 1/2" TYPE-X VC GYPSUM BOARD
- W-03 5/8" TYPE-X GYPSUM BOARD
- W-04 1/2" TYPE-X VC GYPSUM BOARD
- W-05 1/2" TYPE-X VC GYPSUM BOARD
- W-06 1/2" TYPE-X VC GYPSUM BOARD
- W-07 1/2" TYPE-X VC GYPSUM BOARD
- W-08 1/2" TYPE-X VC GYPSUM BOARD
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- W-97 1/2" TYPE-X VC GYPSUM BOARD
- W-98 1/2" TYPE-X VC GYPSUM BOARD
- W-99 1/2" TYPE-X VC GYPSUM BOARD
- W-100 1/2" TYPE-X VC GYPSUM BOARD



SECOND STOREY

SCREW SCHEDULE / WALLS AND CEILING

SCREWS SHALL BE SPACED NOT MORE THAN 12" O.C. FOR CEILINGS AND 16" O.C. FOR WALLS WHERE THE FRAMING MEMBERS ARE 16" O.C. (BASE LAYER ONLY)

PAGE LAYER TO BE GULLED TO BASE LAYER AND SCREWED AROUND PERIMETER OF BOARD.

END AND EDGE JOINTS PARALLEL TO AND ON THE SAME SIDE OF FRAMING MEMBERS SHALL BE STAGGERED BETWEEN JOINTS OF BASE LAYER AND FINISHED, WHEN THEIR JOINTS ARE STAGGERED.

NOTES:

CUSTOMER ACCEPTANCE

- ☐ - ACCEPTANCE AS DRAWN
- ☐ - ACCEPTANCE EXCEPT AS NOTED

BY: _____

DATE: _____

CLIENT:

QUINN CONSTRUCTION LTD.

PROJECT:

22 UNIT – 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY:	DATE:
CHECKED BY:	DATE:

DRAWING TITLE:

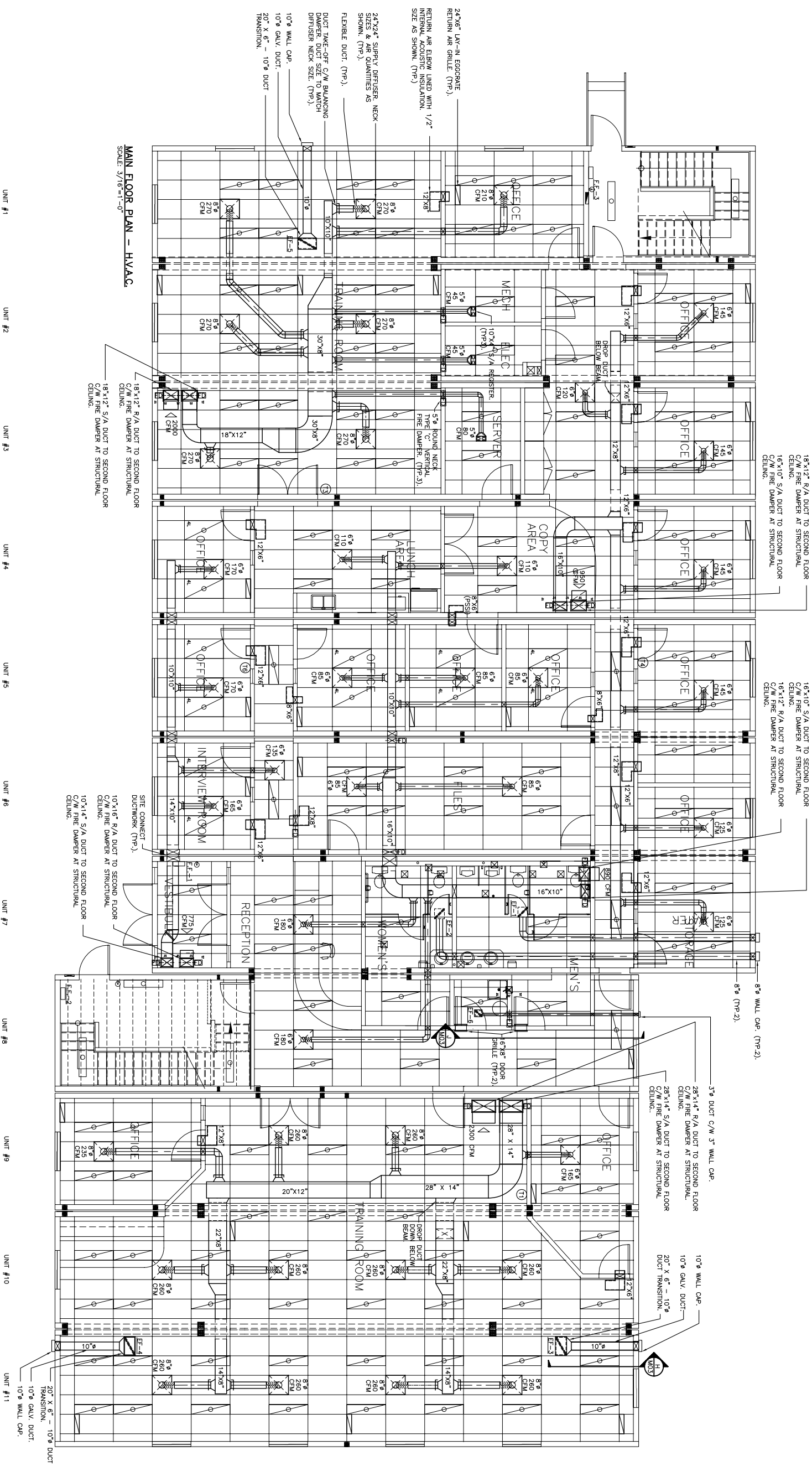
WALL SCHEDULE

DRAWING NO: D-410000386-1-X105

REVISION 3

REV	DATE	DESCRIPTION	BY	INT	CHK
1	14APR09	AS-BUILTS	AH		
0	19DEC07	ISSUE FOR PRODUCTION	AH		

ATCO Structures



NOTE:

- AIR SYSTEMS TO BE BALANCED TO
QUANTITIES SHOWN & A REPORT
SUBMITTED TO ATCO STRUCTURES.

LEGEND

- 11 - WALL MOUNTED AUTO-CHANGEOVER THERMOSTAT F / RTU-1
- 12 - WALL MOUNTED AUTO-CHANGEOVER THERMOSTAT F / RTU-3
- 13 - WALL MOUNTED AUTO-CHANGEOVER THERMOSTAT F / RTU-4
- 14 - WALL MOUNTED AUTO-CHANGEOVER THERMOSTAT F / RTU-6
- 15 - HORIZONTAL FIRE DAMPER WITHIN SHAFT BETWEEN FIRST & SECOND FLOOR

<u>SERIAL NUMBERS:</u>	
UNIT 1:	265074918
UNIT 2:	265074919
UNIT 3:	265074920
UNIT 4:	265074921
UNIT 5:	265074922
UNIT 6:	265074923
UNIT 7:	265074924
UNIT 8:	265074925
UNIT 9:	265074926
UNIT 10:	265074927
UNIT 11:	265074928

MECHANICAL EQUIPMENT

EF-1-2
CEILING MOUNTED EXHAUST FAN
MAKE/MODEL: JENCO FT-200
196 CFM / 2.3 SONES.
120/1/60, 1.8 AMPS, 740 R.P.M.,
INTERCONNECT W/ LIGHT SWITCH.

EF-2-4
CEILING MOUNTED EXHAUST FAN
MAKE/MODEL: JENCO FT-200
398 CFM / 4.7 SONES.
120/1/60, C/W VARIABLE SPEED
CONTROLLER.

EF-3-5
CEILING MOUNTED EXHAUST FAN
MAKE/MODEL: JENCO FT-500
430 CFM @ 0.50" SP, 4.4 SONES.
120/1/60, C/W VARIABLE SPEED
CONTROLLER.

EF-5-6
CEILING MOUNTED EXHAUST FAN
MAKE/MODEL: BROW EC-70
120 CFM @ 0.10" SP, 5.5 SONES.
120/1/60, INTERCONNECT W/ LIGHT
SWITCH.

EF-1-2,3
ELECTRIC FORCE FLOW HEATER 3000W
C/W INTEGRAL THERMOSTAT, 240/1/60.

2	25MAR09	AS-BUILT	JW				
1	07DEC07	ISSUE FOR PRODUCTION	JW				
0	20NOV07	ISSUE FOR ACCEPTANCE	JW				
REV	DATE	DESCRIPTION	BY	INT	CHK		

NOTES:

CUSTOMER ACCEPTANCE

- ☐ - ACCEPTANCE AS DRAWN
- ☐ - ACCEPTANCE EXCEPT AS NOTED

BY:

DATE _____

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AECGA Permit to Practice #PD0312

SCALE: $3/16" = 1'-0"$

CHECKED BY:

APPROVED BY

NT:

QUINN CONSTRUCTION LTD.

22 UNIT - 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY:

CHECKED BY

DRAWING

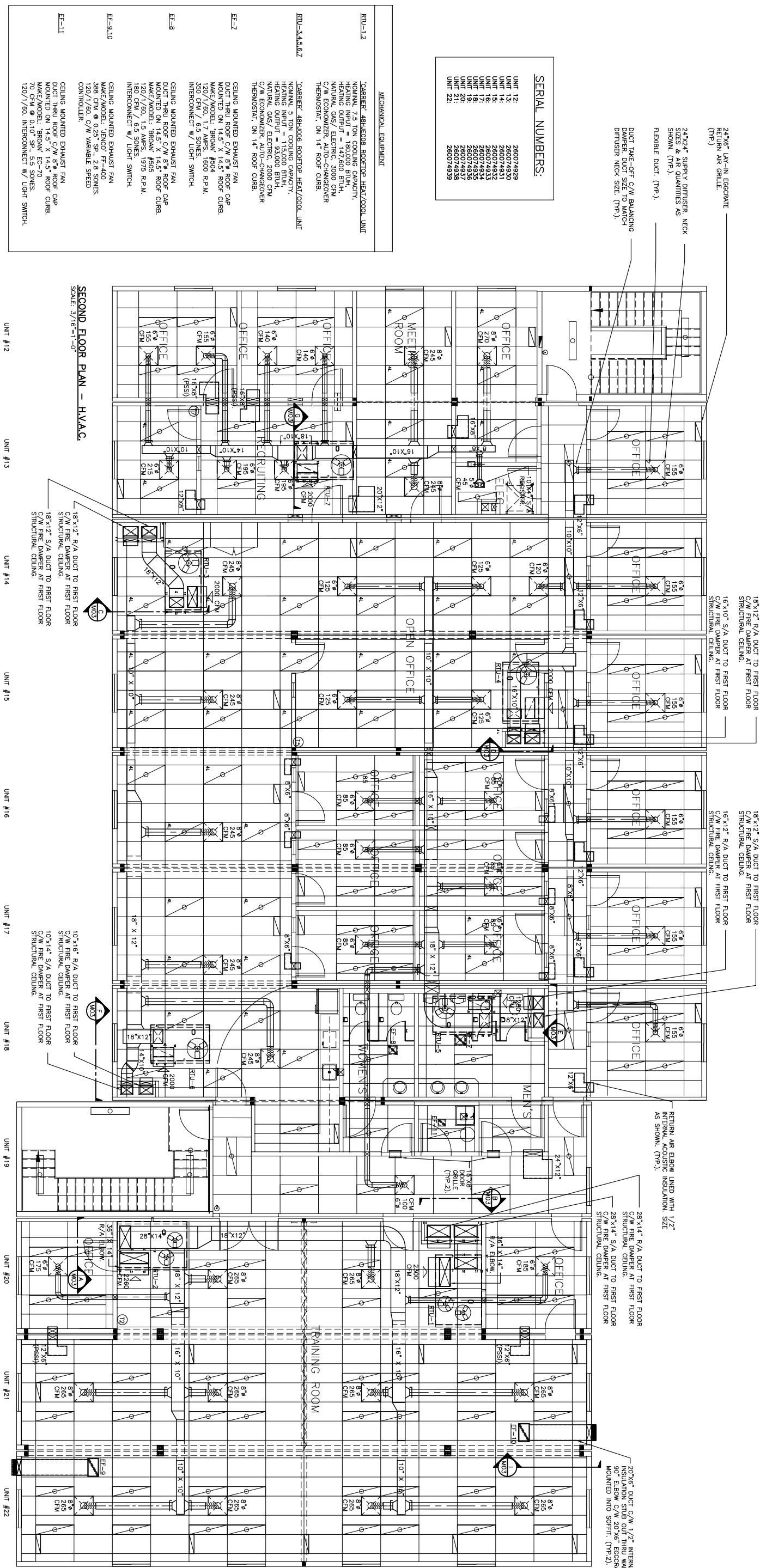
MAIN FLOOR

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D-410000386-1-M01

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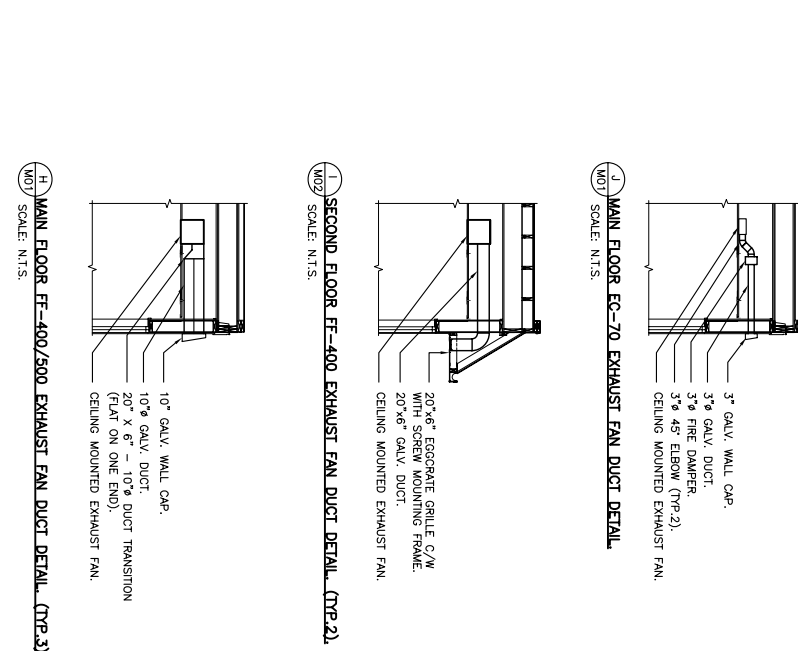
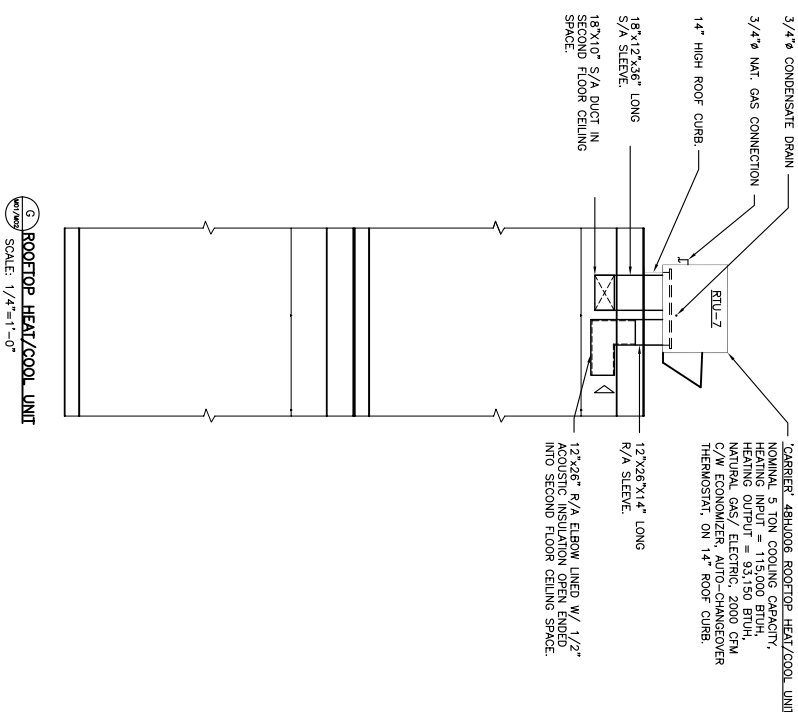
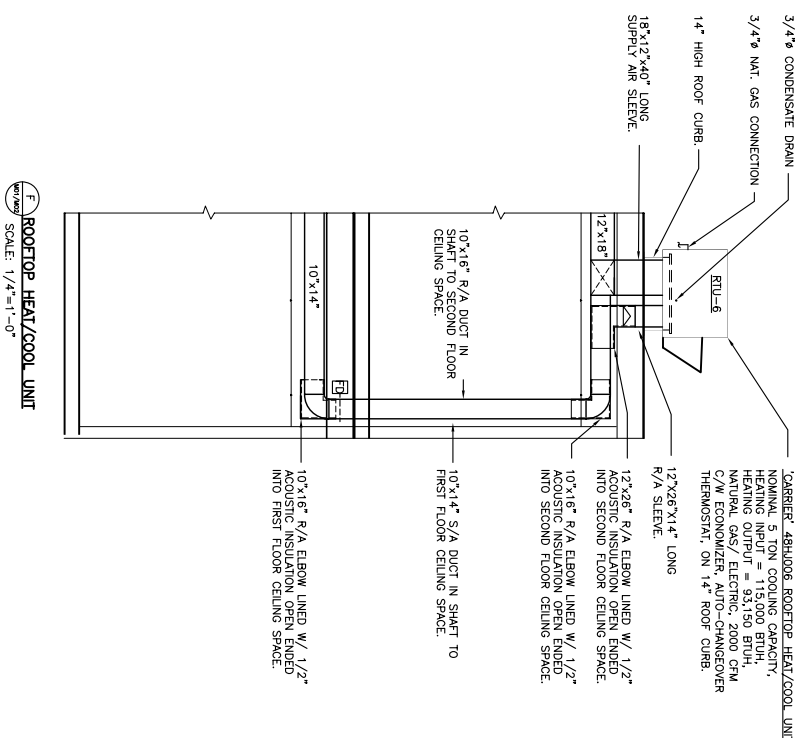
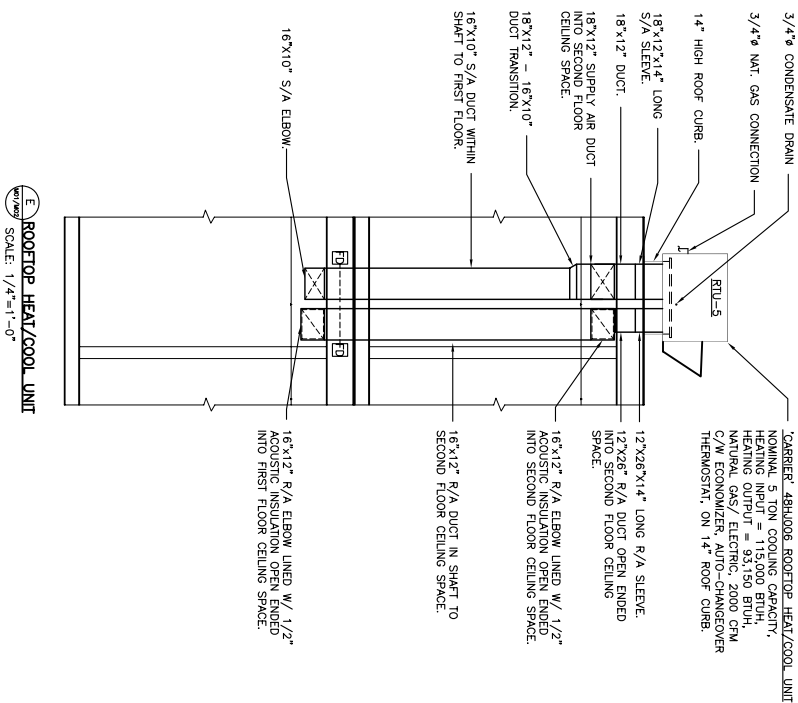
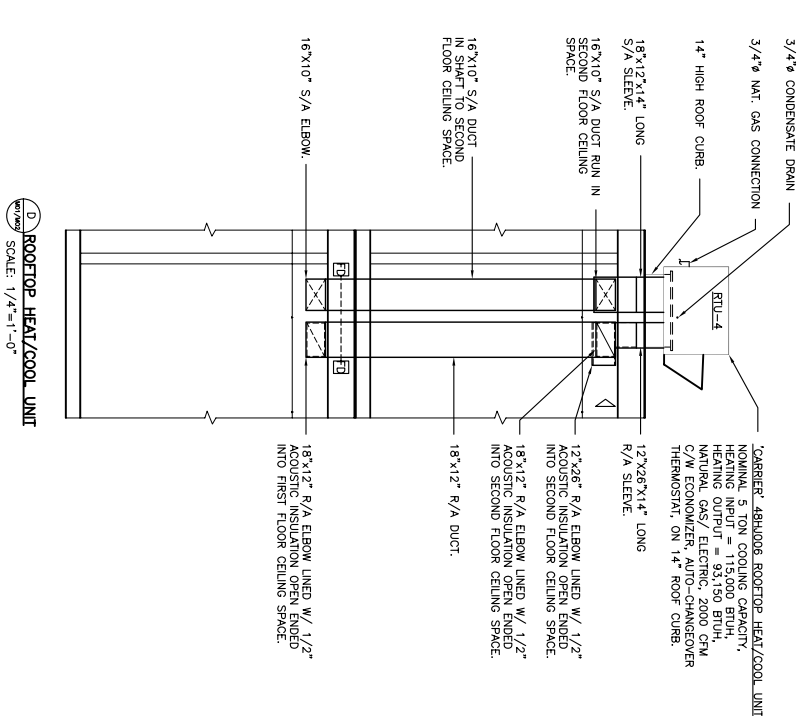
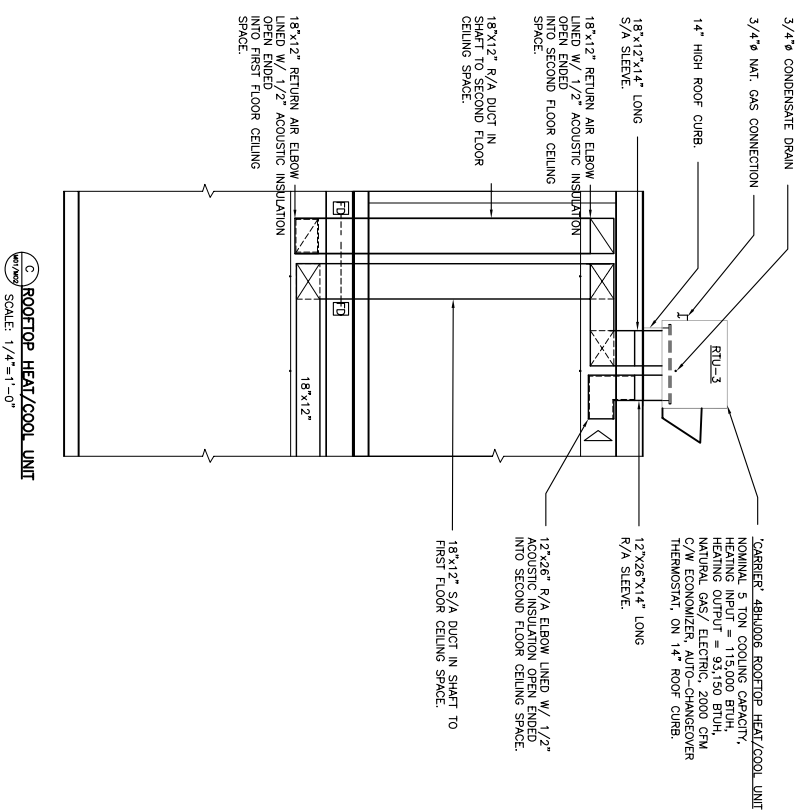
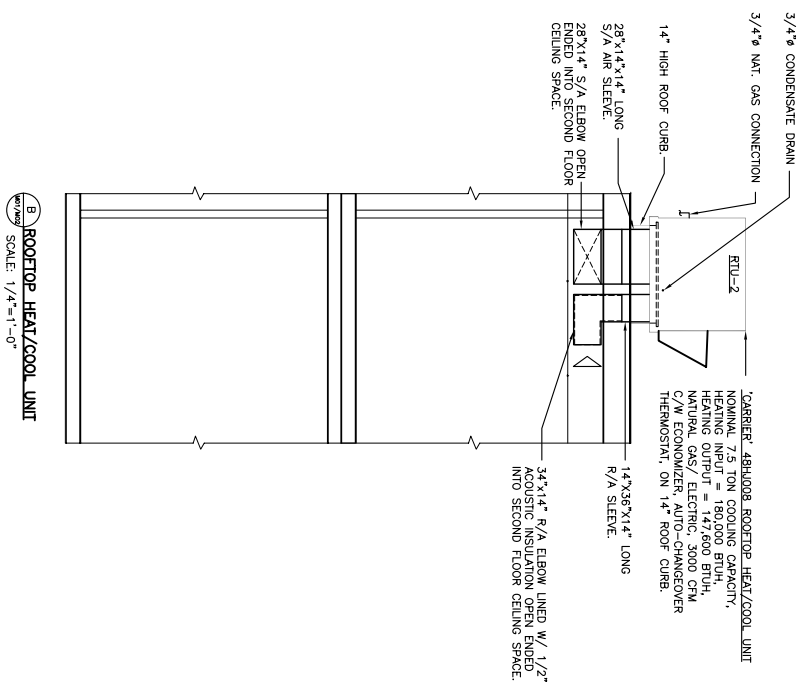
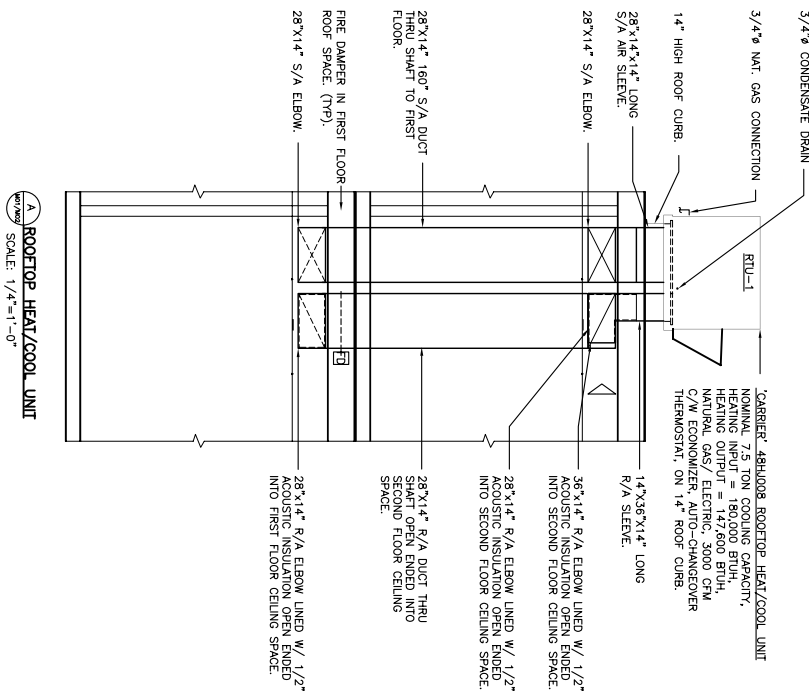
NOTE:

- AIR SYSTEMS TO BE BALANCED TO AIR QUANTITIES SHOWN & A REPORT SUBMITTED TO ATCO STRUCTURES.

- LEGEND**
- ⑩ - WALL MOUNTED AUTO-CHANGEOVER THERMOSTAT F / RTU-2
 - ⑪ - WALL MOUNTED AUTO-CHANGEOVER THERMOSTAT F / RTU-5
 - ⑫ - WALL MOUNTED AUTO-CHANGEOVER THERMOSTAT F / RTU-7
 - ⑬ - HORIZONTAL FIRE DAMPER WITHIN SHAFT BETWEEN FIRST & SECOND FLOOR

[illegible]

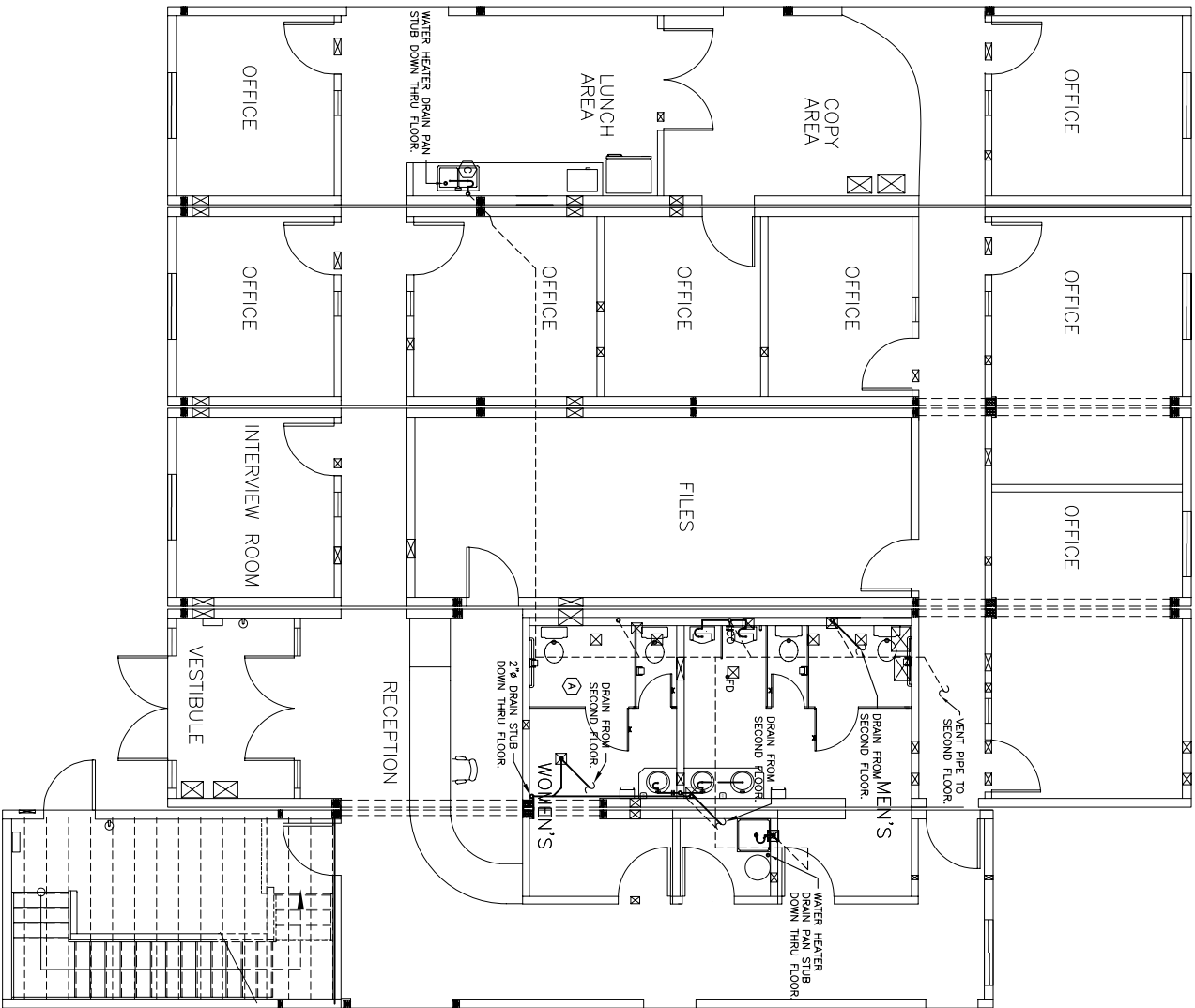
ATCO Structures

[illegible]

ES:	CUSTOMER ACCEPTANCE
	☐ - ACCEPTANCE AS DRAWN ☐ - ACCEPTANCE EXCEPT AS NOTED
	BY: _____
	DATE: _____

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SCALE: $1/4" = 1'-0"$	PROJECT:
CHECKED BY:	22 UNIT – 2 STOREY OFFICE COMPLEX
APPROVED BY:	
DATE:	

INTERNAL DOCUMENT CONTROL	
ISSUED BY:	DATE:
CHECKED BY:	DATE:
DRAWING TITLE:	
ROOF TOP UNIT DETAIL	
DRAWING NO: D-410000386-1-M03	REVISION: 2

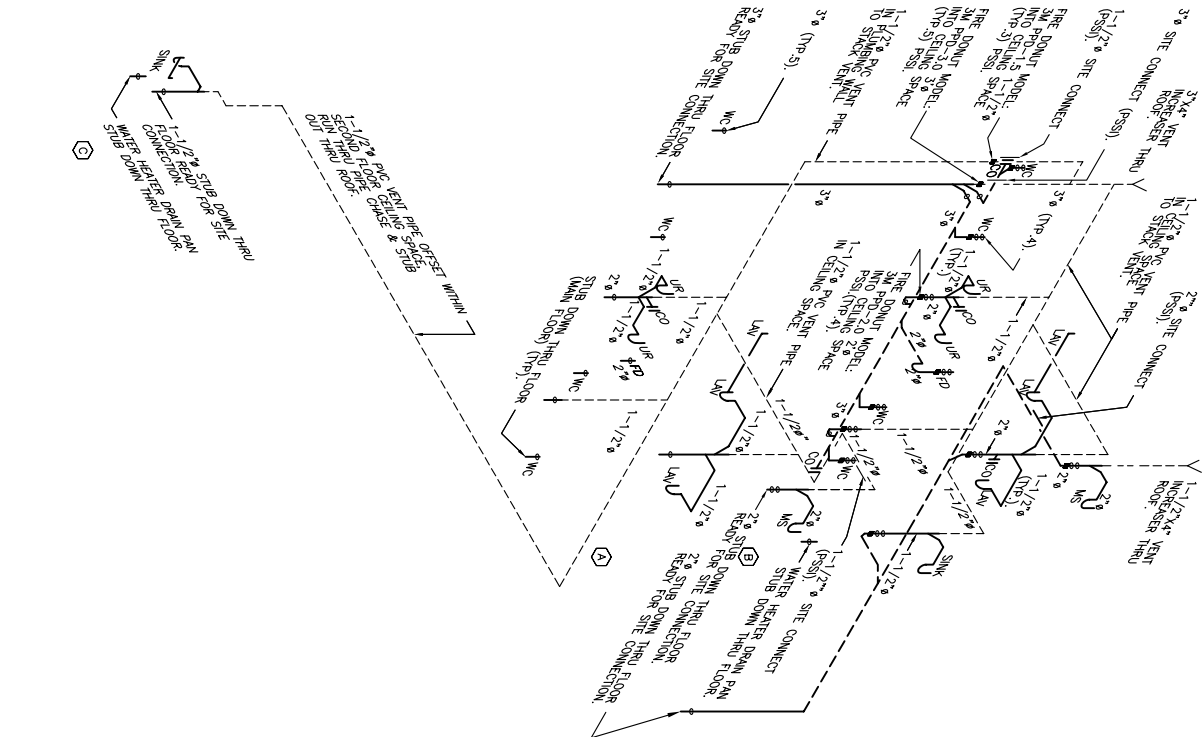


MAIN FLOOR PLAN – DRAINAGE PIPING

SCALE: 3/16"=1'-0"

SERIAL NUMBERS:

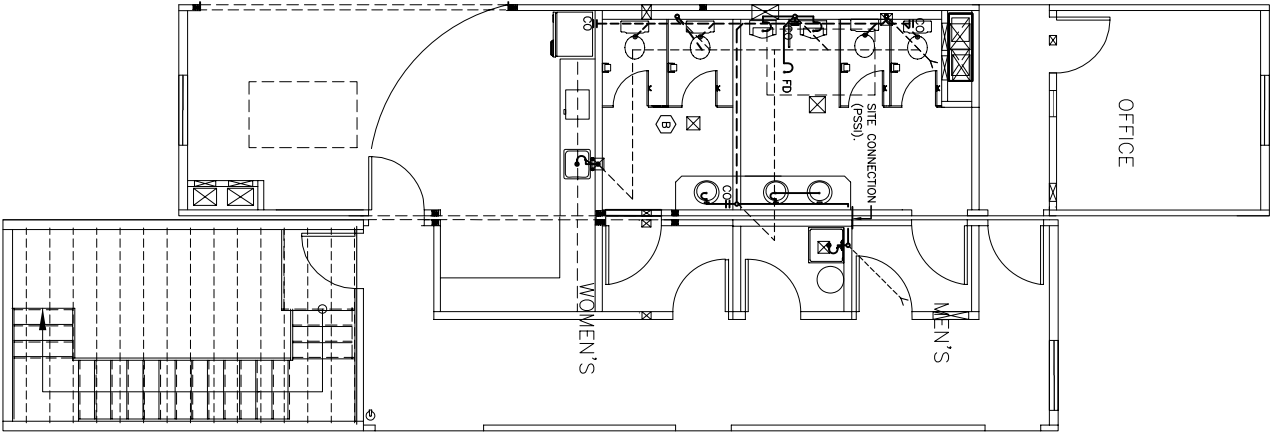
UNIT 4:	262074921
UNIT 5:	262074922
UNIT 6:	262074923
UNIT 7:	262074924
UNIT 8:	262074925
UNIT 18:	262074935
UNIT 19:	262074936



DRAINAGE PIPING SCHEMATIC

SECOND FLOOR PLAN – DRAINAGE PIPING

SCALE: 3/16"=1'-0"



LEGEND

---	DWV INSTALLED.
---	DWV INSTALLED IN 1ST FLOOR CEILING SPACE.
---	DWV VENT PIPING
WC	WATER CLOSET
UR	URINAL
MS	MEN'S
WS	WOMEN'S
SINK	SINK
DBL SINK	DOUBLE STAINLESS STEEL SINK
FD	FLOOR DRAIN
CO	CLEAN OUT
■	FIRE DOWN

CUSTOMER ACCEPTANCE

- ☐ - ACCEPTANCE AS DRAWN
☐ - ACCEPTANCE EXCEPT AS NOTED

BY: _____

DATE: _____

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SCALE: 3/16" = 1'-0"

CHECKED BY: _____

DATE: _____

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DATE: _____

CLIENT:

QUINN CONSTRUCTION LTD.

PROJECT:

22 UNIT – 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY: _____

DATE: _____

CHECKED BY: _____

DATE: _____

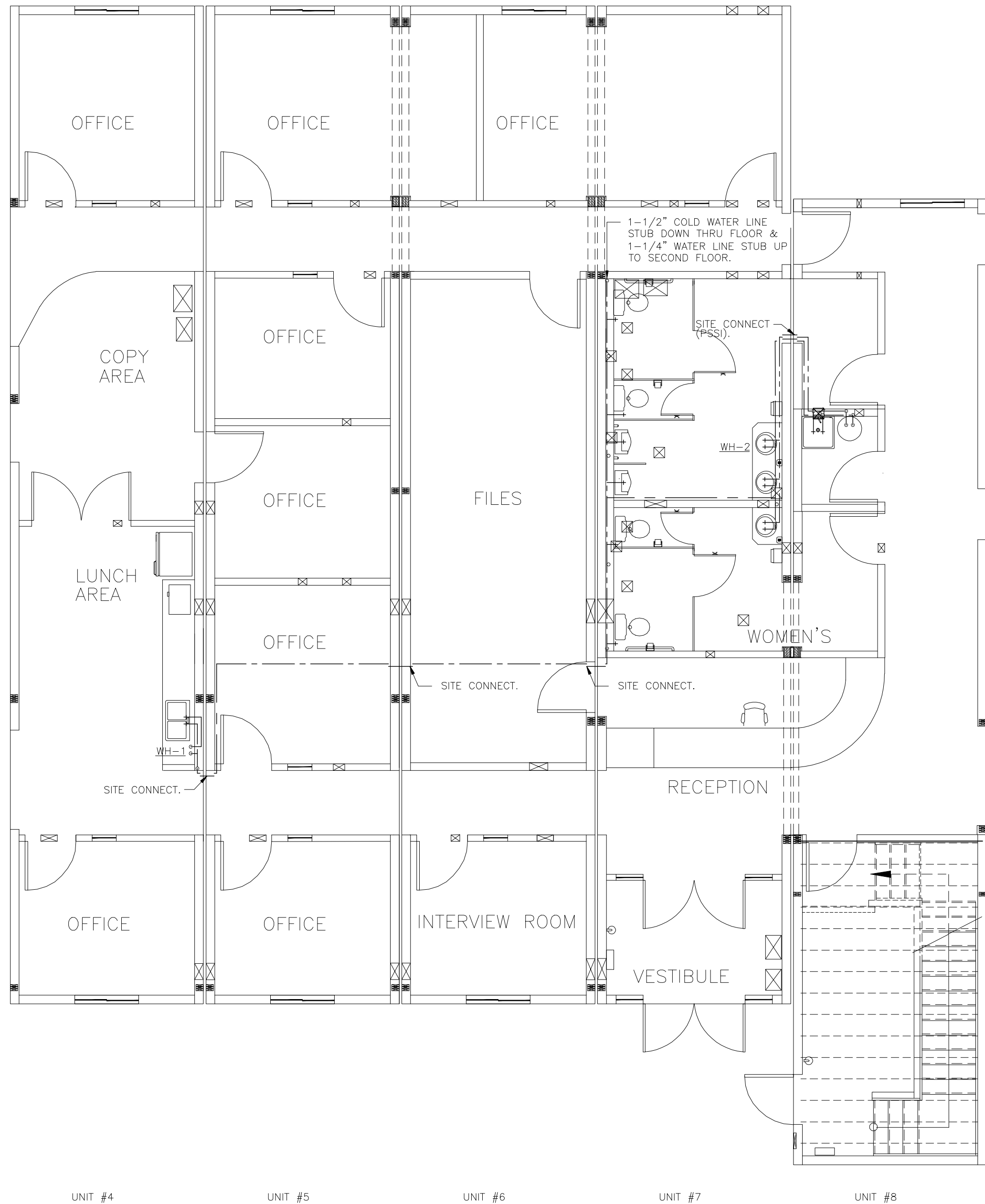
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FLOOR PLAN – DRAINAGE PIPING
MAIN & SECOND FLOOR

DRAWING NO: D-410000366-1-M04

REVISION

2

ATCO Structures



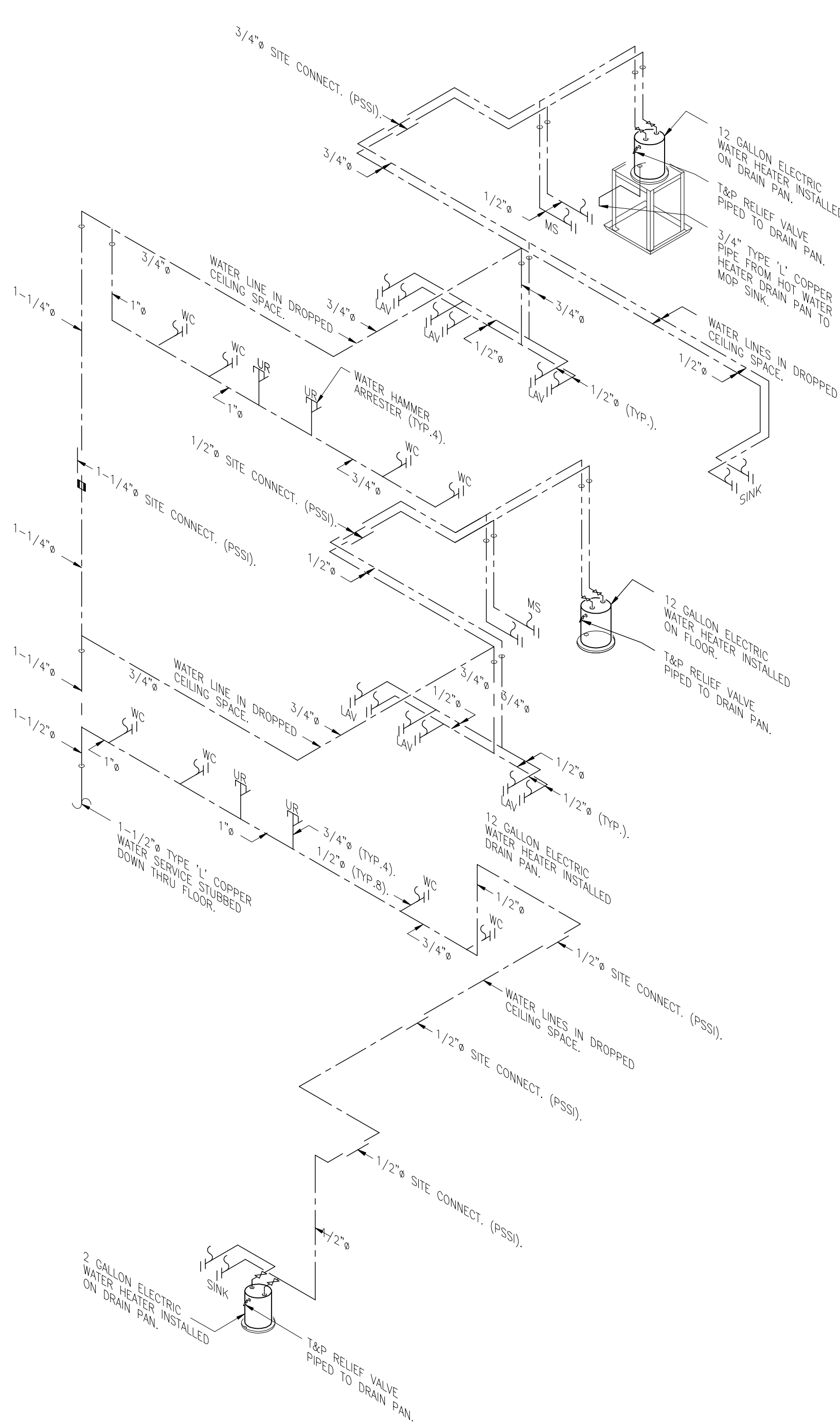
MAIN FLOOR PLAN – POTABLE WATER PIPING
SCALE: 3/16"=1'-0"

SERIAL NUMBERS:

UNIT 4:	262074921
UNIT 5:	262074922
UNIT 6:	262074923
UNIT 7:	262074924
UNIT 8:	260074925
UNIT 18:	260074935
UNIT 19:	260074936

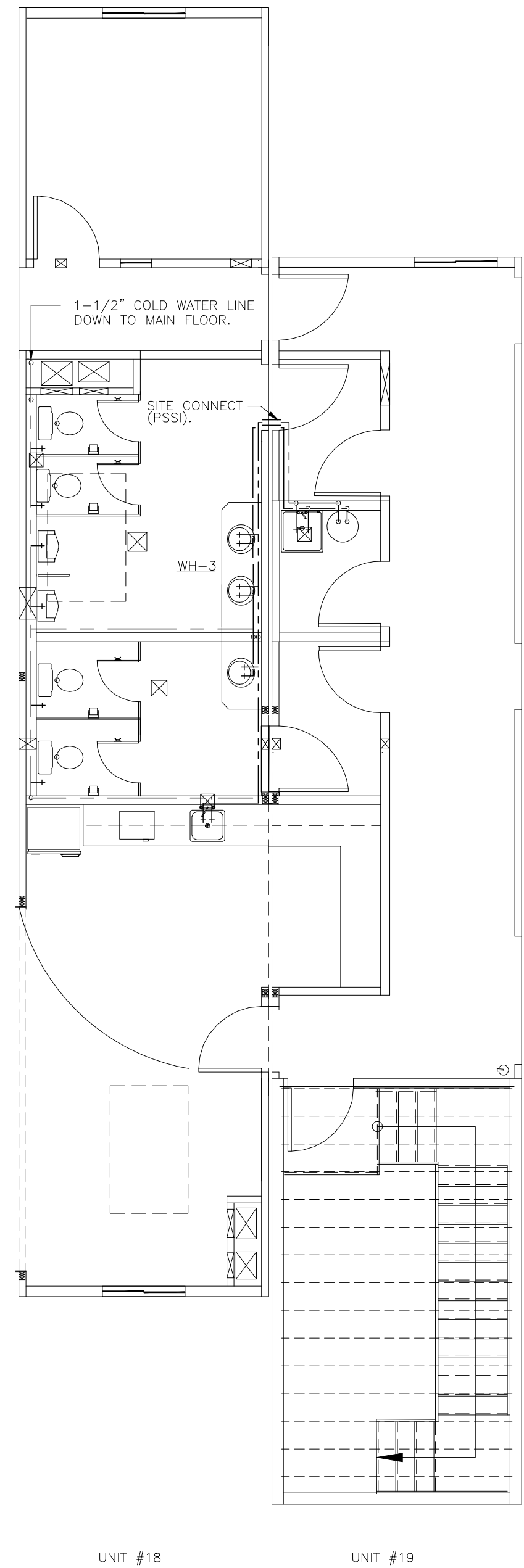
MECHANICAL EQUIPMENT

WH-1	ELECTRIC WATER HEATER MAKE/MODEL: "RHEEM" RE-2 2 GAL. STORAGE CAPACITY. 120/1/60.
WH-2,3	ELECTRIC WATER HEATER MAKE/MODEL: "A.O SMITH" DEL-10 12 GAL. STORAGE CAPACITY. 120/1/60.



POTABLE WATER PIPING SCHEMATIC

- WATER LINES CONCEALED "PEX" PIPE & FITTINGS UP TO AND INCLUDING 1" PIPING.
- WATER LINES CONCEALED TYPE "L" COPPER C/W SOLDERED FITTINGS FOR OVER 1" PIPING.
- COPPER COLD WATER LINES C/W 1/2" PIPE INSULATION.
- N.T.S.



SECOND FLOOR PLAN – POTABLE WATER PIPING
SCALE: 3/16"=1'-0"

LEGEND

---	- COLD WATER LINE
---	- HOT WATER LINE
WC	- WATER CLOSET
UR	- URINAL
LAV	- LAVATORY
MS	- MOP SINK
SINK	- STAINLESS STEEL SINK
DBL SINK	- DOUBLE STAINLESS STEEL SINK
■	- FIRE CAULKING

REV	DATE	DESCRIPTION	BY	INT	CHK
2	25MAR09	AS-BUILT	JW		
1	07DEC07	ISSUE FOR PRODUCTION	JW		
0	20NOV07	ISSUE FOR ACCEPTANCE	JW		

NOTES:

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☐ - ACCEPTANCE EXCEPT AS NOTED

BY: _____

DATE: _____

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SCALE: 3/16" = 1'-0"

CHECKED BY: _____

APPROVED BY: _____

DATE: _____

DATE: _____

CLIENT:

QUINN CONSTRUCTION LTD.

PROJECT:

22 UNIT – 2 STOREY OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY: _____ DATE: _____

CHECKED BY: _____ DATE: _____

DRAWING TITLE:
FLOOR PLAN – POTABLE WATER PIPING
MAIN & SECOND FLOOR

DRAWING NO:
D-410000386-1-M05

REVISION

1

ATCO structures



UNIT 1:	262074918
UNIT 2:	262074919
UNIT 3:	262074920
UNIT 4:	262074921
UNIT 5:	262074922
UNIT 6:	262074923
UNIT 7:	262074924
UNIT 8:	260074925
UNIT 9:	260074926
UNIT 10:	260074927
UNIT 11:	260074928

UNIT 12:	262074929
UNIT 13:	262074930
UNIT 14:	262074931
UNIT 15:	262074932
UNIT 16:	262074933
UNIT 17:	262074934
UNIT 18:	262074935
UNIT 19:	260074936
UNIT 20:	260074937
UNIT 21:	260074938
UNIT 22:	260074939

X Space	PANEL SCHEDULE							
7(NEUTRAL) 6(BREAKER)	PANEL #	PP-2	PANEL TYPE	P4B4A6--15LD				
	MOUNTING	SURFACE		VOLTAGE	120/208V			
	TOTAL LOAD	147KW[EST. DEMAND LOAD]		PHASE:	3ø 4W			
	FED FROM	BY CLIENT		MAIN BREAKER	3P600A			
	FEEDER	BY CLIENT						
	STUBS	NONE						
	DESCRIPTION	No	C/B	C/B	No	DESCRIPTION	WATTS	
3x	49KW FEEDING PANEL PP-1	1 2 3	3P			FD3000 SPACE		
3X	17.1KW LP-13	4 5 6	3P	3P		LP-18	35.1KW	
		7	7Ø	225				
3X	36KW LP-14	7 8 9	3P	3P		LP-20	36.7KW	
		10	25Ø	15Ø				
6X		11						
		12						
		13						
		14						
		15						

0	17MAR09	ISSUE FOR AS BUILT	PG		
REV	DATE	DESCRIPTION	BY	INT	CHK

NOTES:

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DATE: _____

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APEGGA Permit to Practice #P02312

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

CHECKED BY:

APPROVED BY:

CLIENT:

QUINN CONSTRUCTION LTD.

PROJECT:	
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22-UNIT OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY:	DATE:
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CHECKED BY:	DATE:
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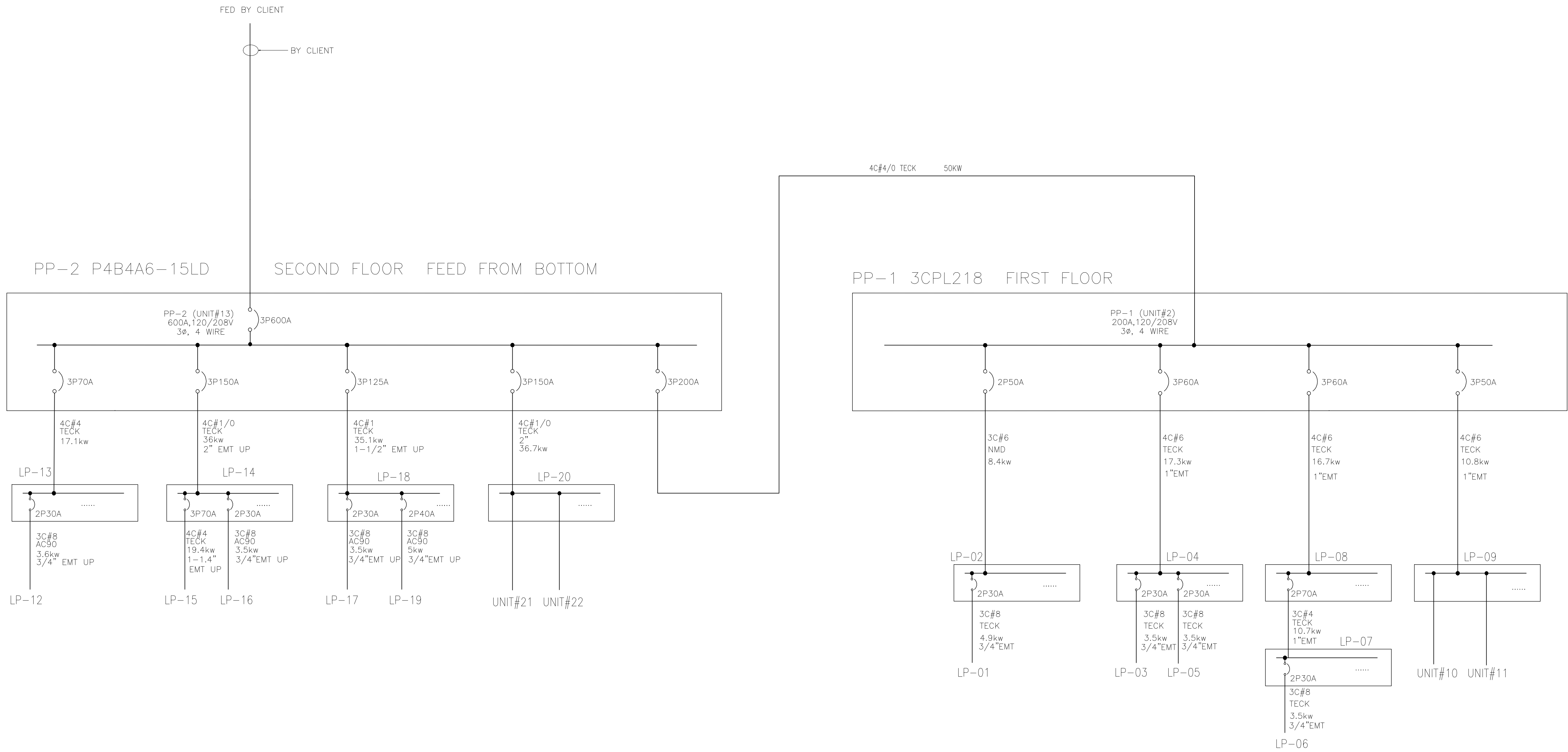
DRAWING TITLE:

ELECTRICAL DISTRIBUTION LAYOUT

DRAWING NO:
D-410000386-1-E01

DWG
ISSUE: 3

ATCO Structures



0	17MAR09	ISSUE FOR AS BUILT	PG		
REV	DATE	DESCRIPTION	BY	INT	CHK

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DATE: _____

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SCALE: NTS

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APPROVED BY: _____

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DATE: _____

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QUINN CONSTRUCTION LTD.

PROJECT:

22-UNIT OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY: _____ DATE: _____

CHECKED BY: _____ DATE: _____

DRAWING TITLE:

ELECTRICAL SIGLE LINE DIAGRAM

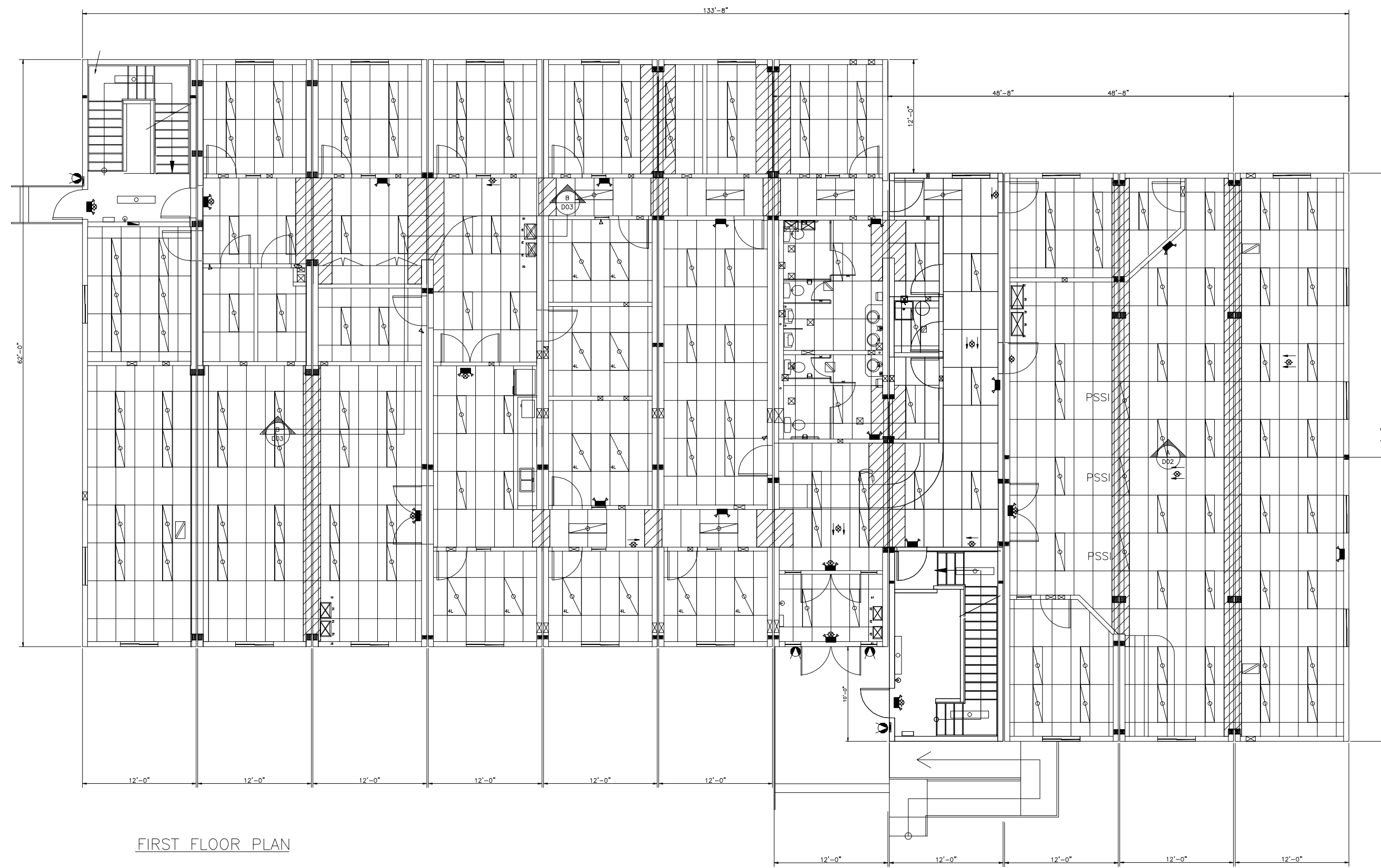
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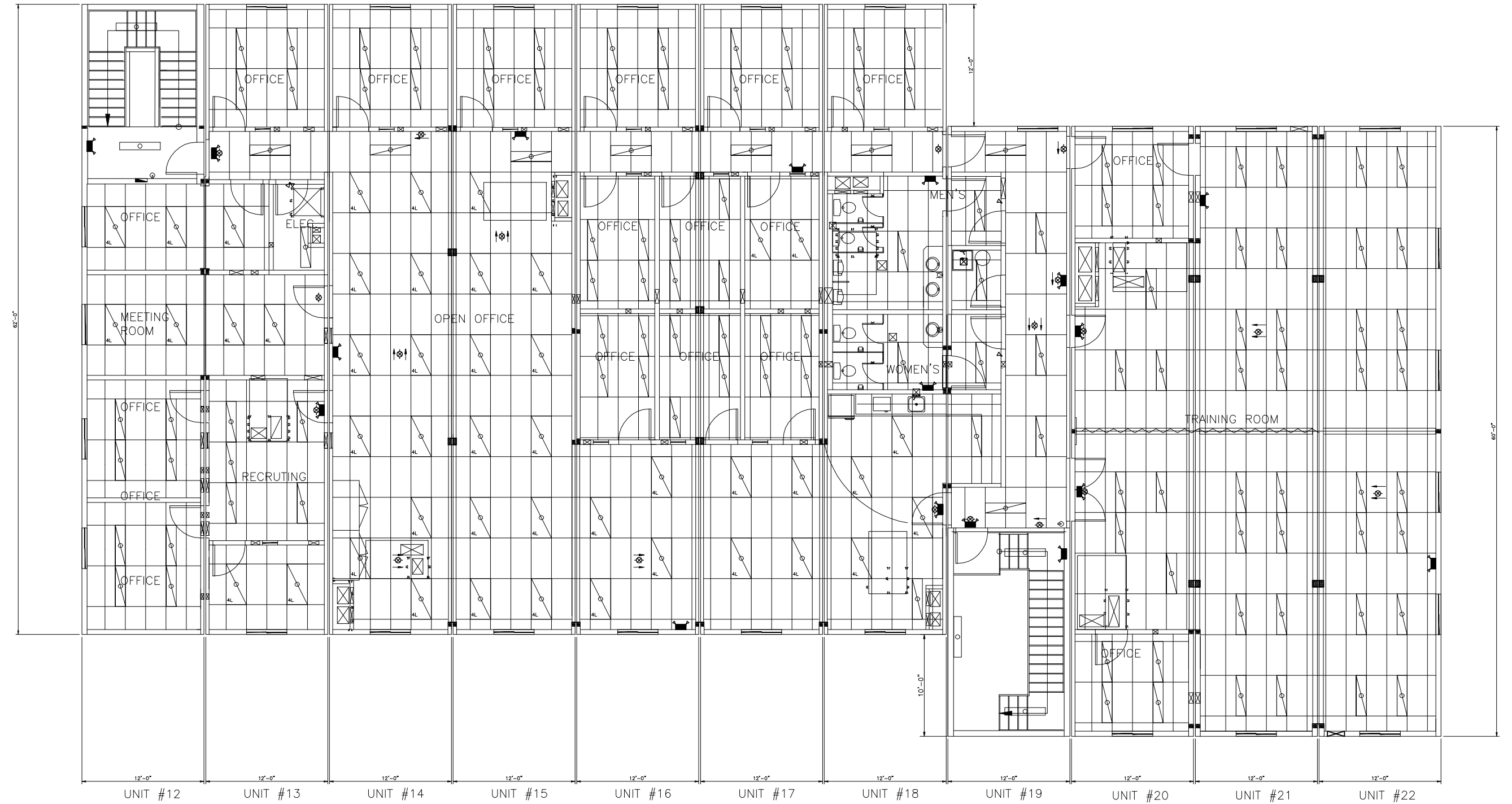
DWG ISSUE:

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ATCO Structures



FIRST FLOOR PLAN



SECOND FLOOR PLAN

0	17MAR09	ISSUE FOR AS-BUILT	PG		
REV	DATE	DESCRIPTION	BY	INT	CHK

NOTES:

CUSTOMER ACCEPTANCE

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

CHECKED BY: _____ DATE: _____

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CLIENT:
QUINN CONSTRUCTION LTD.

PROJECT:
22-UNIT OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

ISSUED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____

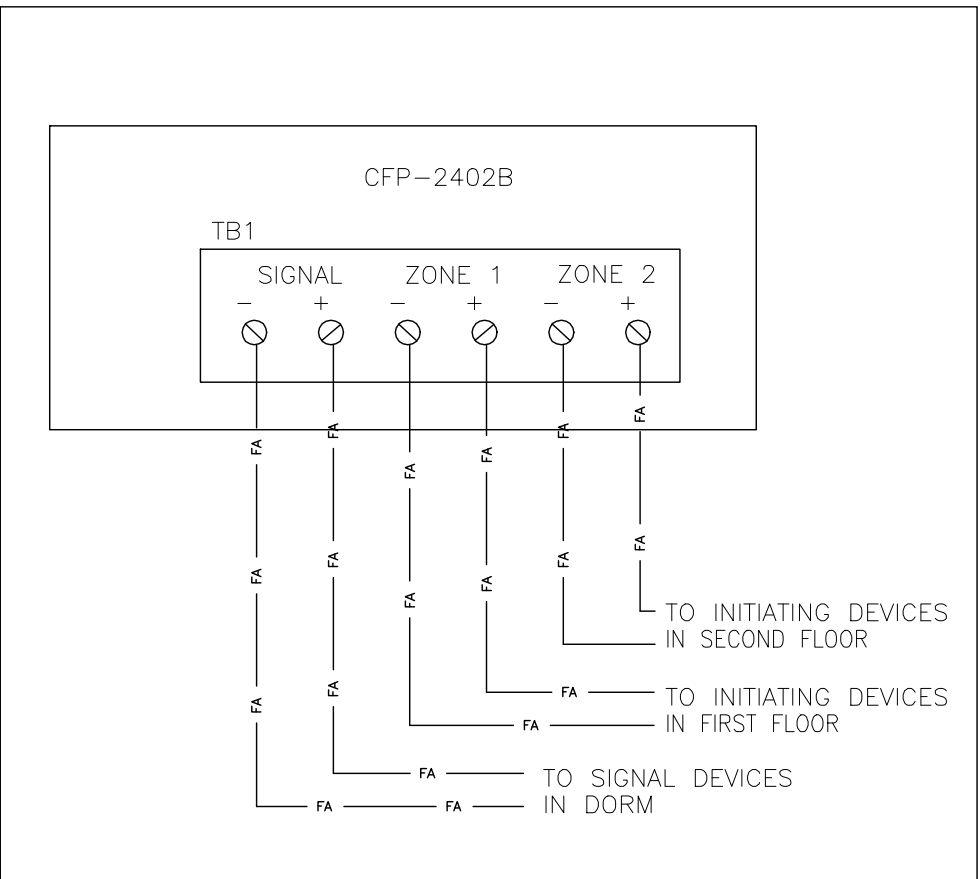
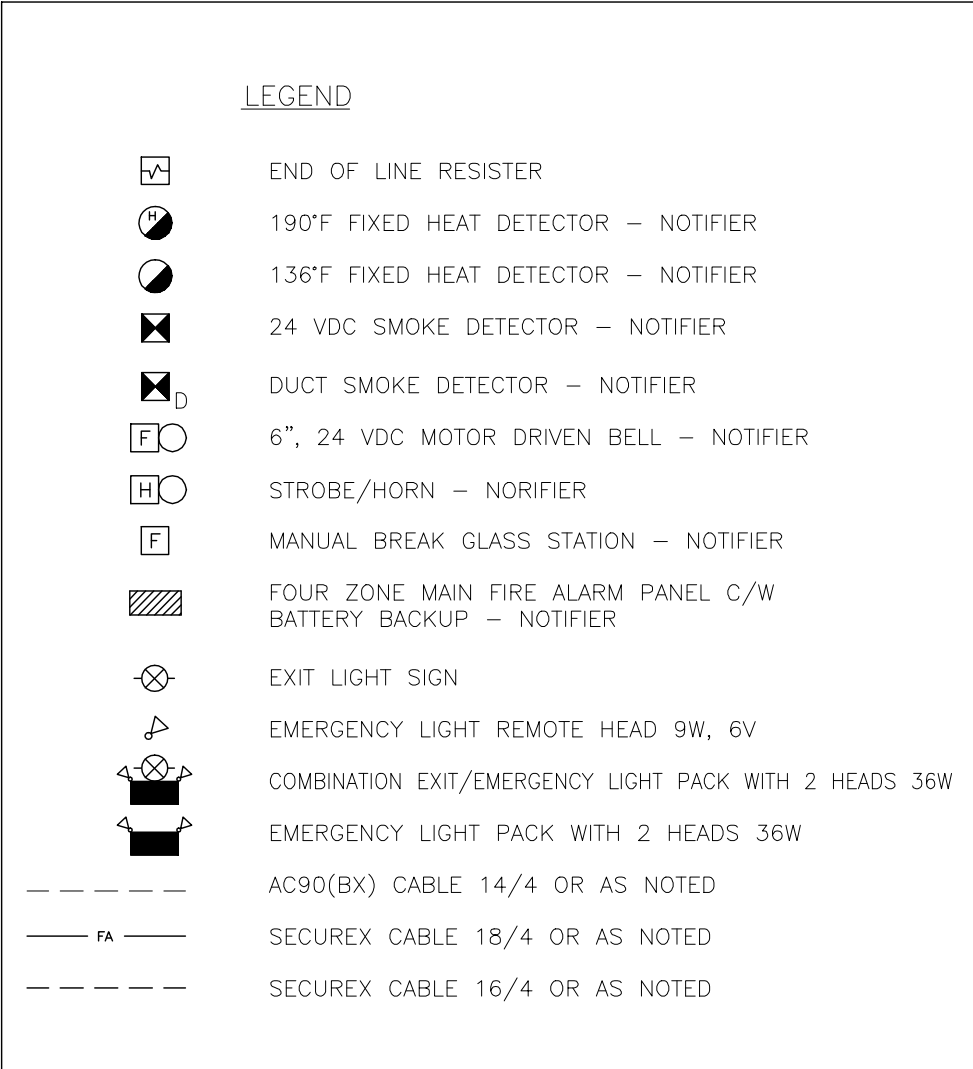
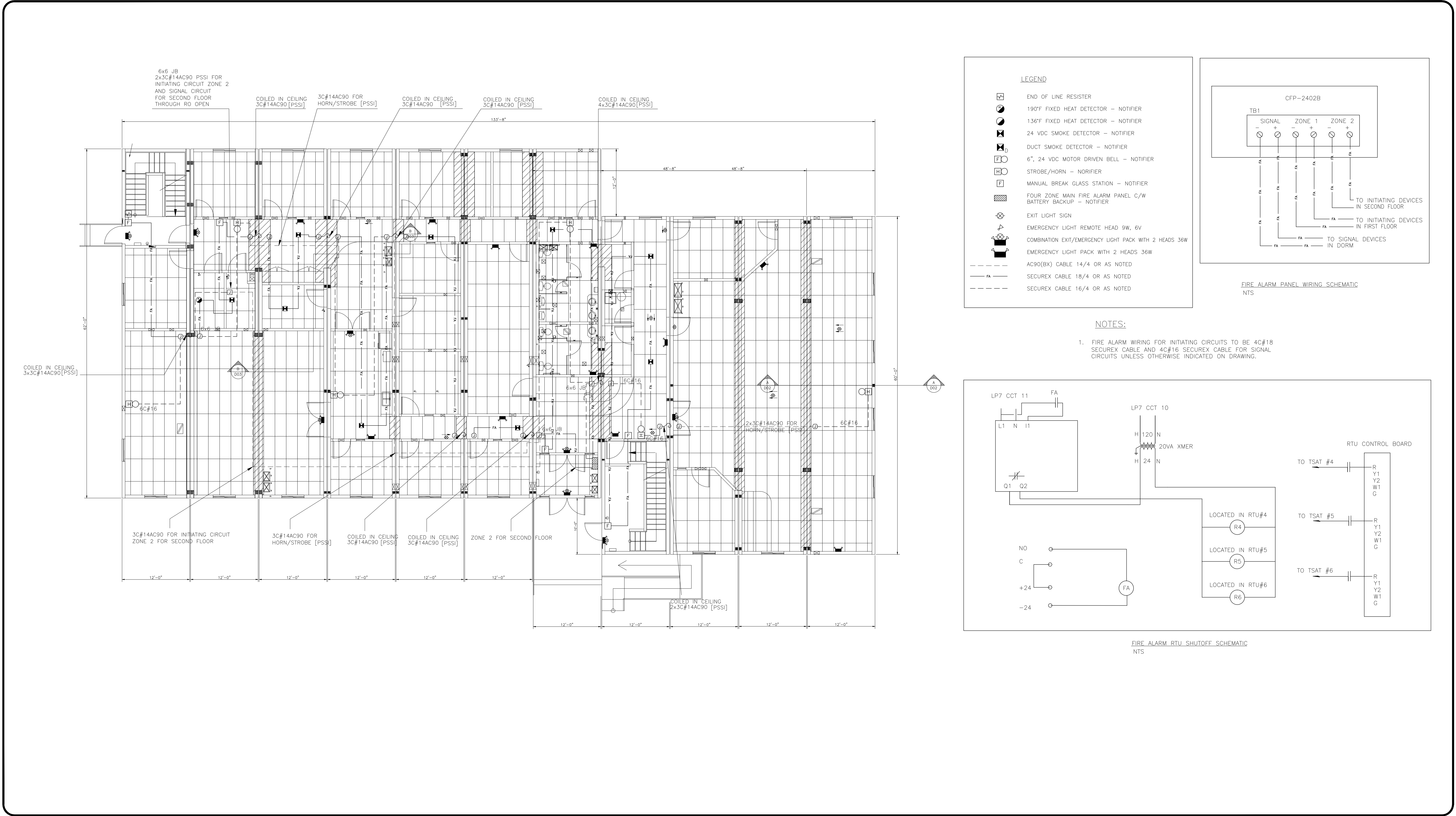
DRAWING TITLE:

ELECTRICAL LIGHTING LAYOUT

DRAWING NO:
D-410000386-1-E03

DWG
ISSUE: 3

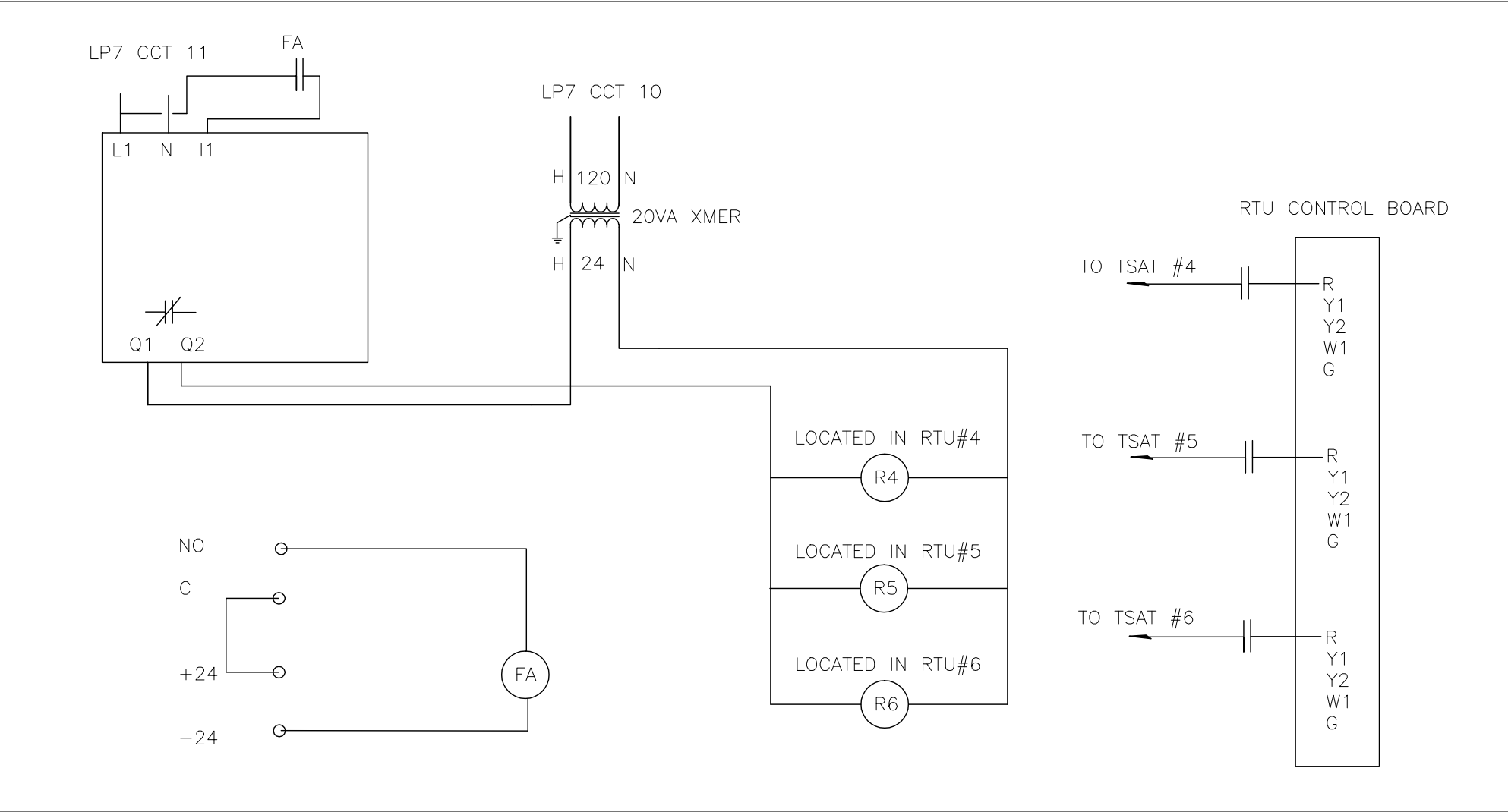




FIRE ALARM PANEL WIRING SCHEMATIC
NTS

NOTES:

- FIRE ALARM WIRING FOR INITIATING CIRCUITS TO BE 4C#18 SECUREX CABLE AND 4C#16 SECUREX CABLE FOR SIGNAL CIRCUITS UNLESS OTHERWISE INDICATED ON DRAWING.



FIRE ALARM RTU SHUTOFF SCHEMATIC
NTS

REV	DATE	DESCRIPTION	BY	INT	CHK
0	17MAR09	ISSUE FOR AS-BUILT			

NOTES:

CUSTOMER ACCEPTANCE

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DATE: _____

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

CHECKED BY: _____

DATE: _____

APPROVED BY: _____

DATE: _____

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PROJECT:

22-UNIT OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL

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DRAWING TITLE:

FIRE ALARM LAYOUT
MAIN FLOOR

DRAWING NO:

D-410000386-1-E04

DWG
ISSUE: 3

ATCO structures

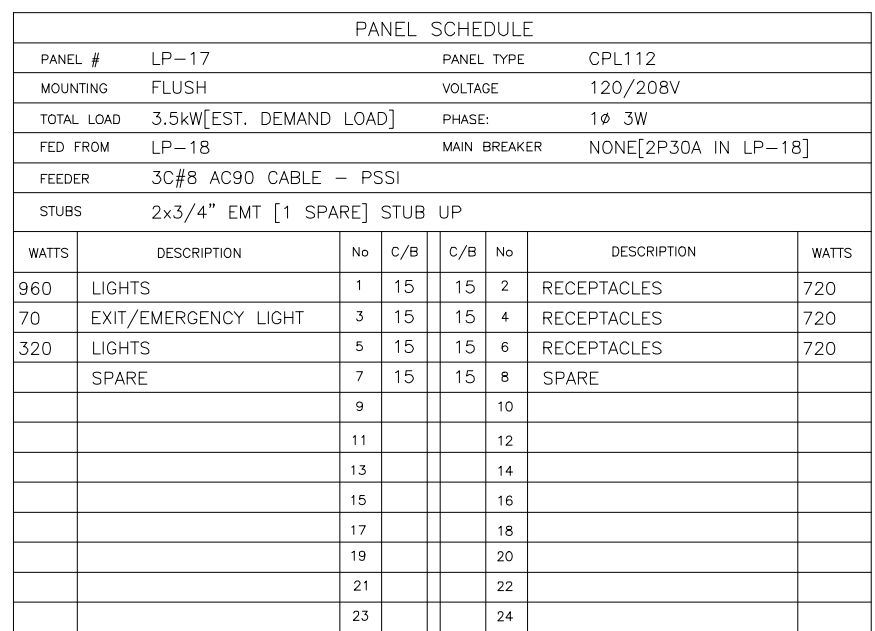


FIRE ALARM CONNECTION BETWEEN FIRST AND SECOND FLOOR DETAIL
N.T.S



ATCO Structures

UNIT #18



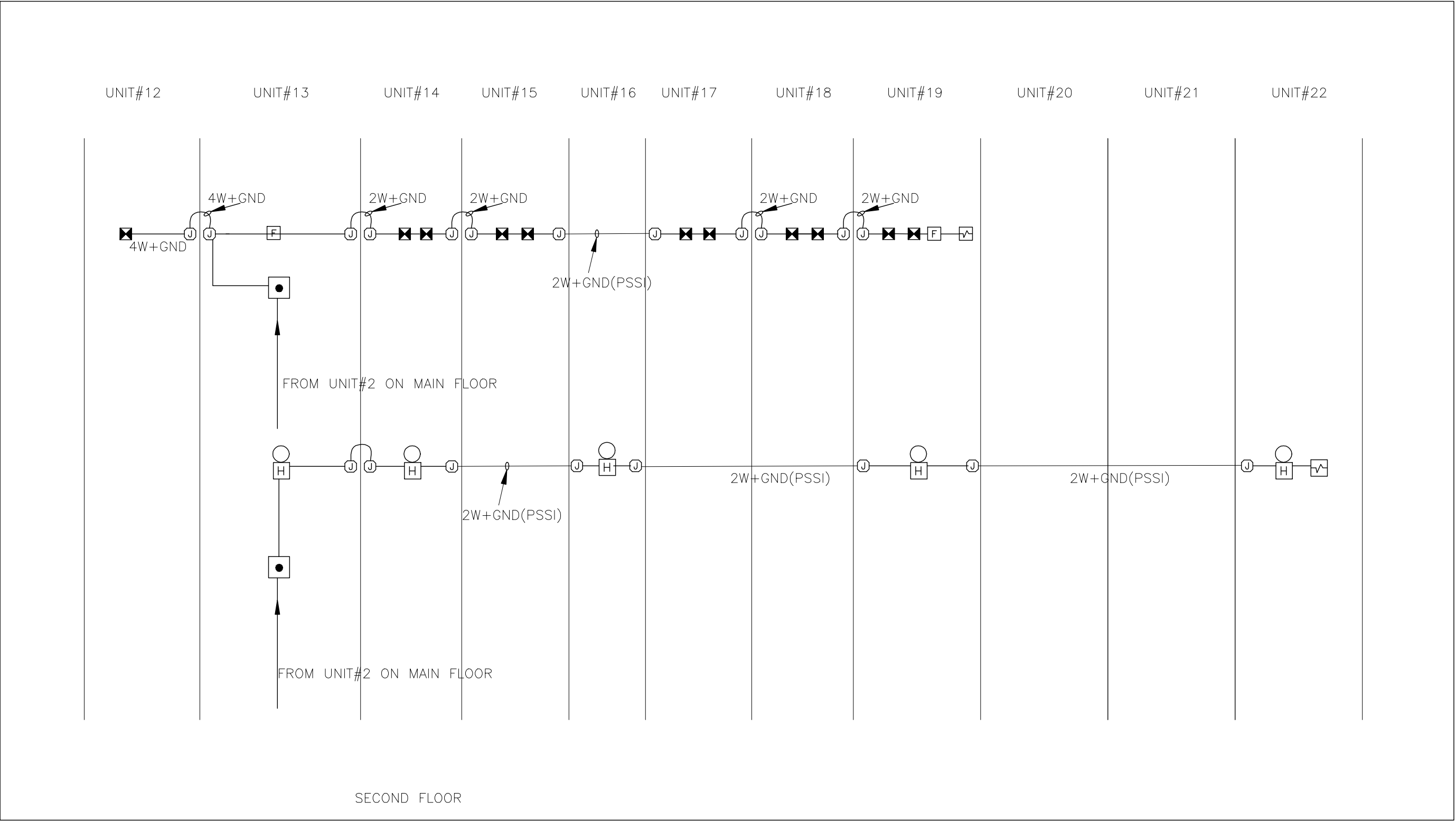
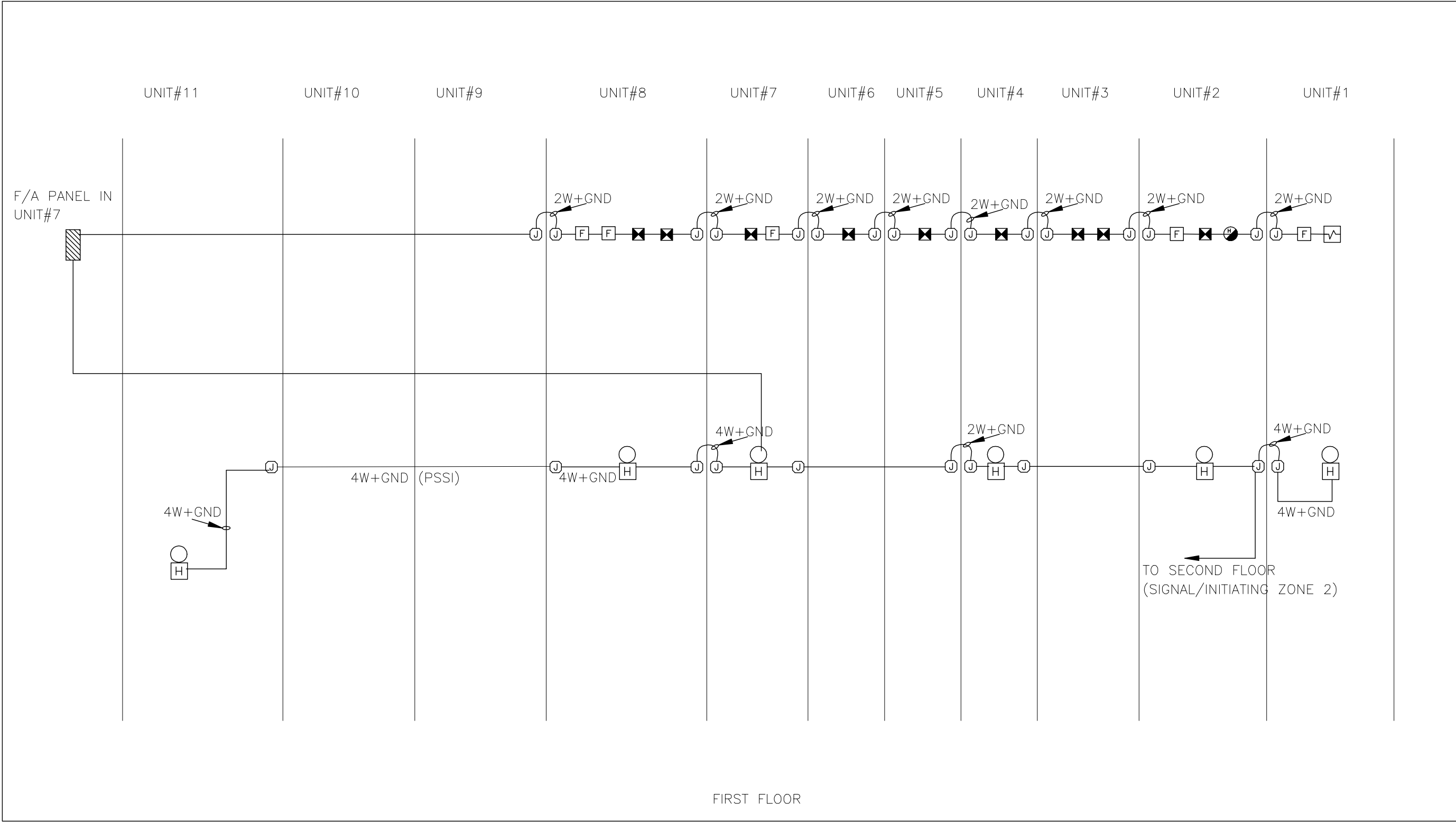
MECHANICAL EQUIPMENT	
<u>RTU-1,2</u>	'CARRIER' 48HJE008 ROOFTOP HEAT/COOL UNIT NOMINAL 7.5 TON COOLING CAPACITY, HEATING INPUT = 180,000 BTUH, HEATING OUTPUT = 147,600 BTUH, NATURAL GAS/ ELECTRIC, 3000 CFM C/W ECONOMIZER, AUTO-CHANGEOVER THERMOSTAT, ON 14" ROOF CURB.
<u>RTU-3,4,5,6,7</u>	'CARRIER' 48HJ006 ROOFTOP HEAT/COOL UNIT NOMINAL 5 TON COOLING CAPACITY, HEATING INPUT = 115,000 BTUH, HEATING OUTPUT = 93,000 BTUH, NATURAL GAS/ ELECTRIC, 2000 CFM C/W ECONOMIZER, AUTO-CHANGEOVER THERMOSTAT, ON 14" ROOF CURB.
<u>EF-7,8</u>	CEILING MOUNTED EXHAUST FAN MAKE/MODEL: 'JENCO' FF-200 120/1/60, 1.8 AMPS, 740 R.P.M.
<u>EF-9,10</u>	CEILING MOUNTED EXHAUST FAN MAKE/MODEL: 'JENCO' FF-400 388 CFM @ 0.25" S.P, 2.8 SONES. 120/1/60.

ATCO Structures

PANEL SCHEDULE

PANEL #	LP-20	PANEL TYPE	3CP124				
MOUNTING	FLUSH	VOLTAGE	120/208V				
TOTAL LOAD	36.7kW[EST. DEMAND LOAD]	PANEL PHASE	3ø 4W				
FED FROM	PP-1	MAIN BREAKER	NONE[3P150A IN PP-2]				
FEEDER	4C#10 /OEK CABLE - PSSI						
STUBS	2" EMT + 1/2" EMT[SPARE]	STUB UP					
WATTS	DESCRIPTION	No	4/B	C/B	NO	DESCRIPTION	WATTS
640	LIGHTS	1	15	15	2	RECEPTACLES	960
880	LIGHTS	3	15	15	4	RECEPTACLES	960
1040	LIGHTS	5	15	15	6	RECEPTACLES	720
640	LIGHTS	7	15	15	8	RECEPTACLES (UNIT#21)	480
640	LIGHTS	9	15	15	10	RECEPTACLES (UNIT#22)	720
70	EXIT/EMERGENCY LIGHT	11	15	15	12	RECEPTACLES (UNIT#22)	720
12.9KW	ROOF TOP UNIT RTU-1	13	5P	15	14	SPARE	400
		15	15	15	16	EXIT/EM. LIGHT (UNIT#21,22) 70	
		17	15	15	18	FANS (UNIT#21)	200
		19	15	15	20	FANS (UNIT#22)	200
		21	40	15	22	SE DATA POLE	1440
		23	15	15	24	SW DATA POLE	1440
12.9KW	ROOF TOP UNIT RTU-2	25	5P	15	26	NE DATA POLE	1440
		27	15	15	28	NW DATA POLE	1440
		29			30		
		31			32		
		33	40		34		
		35			36		
		37			38		
		39			40		
		41			42		
		43			44		
		45			46		
		47			48		

ATCO Structures



NOTE: REFER TO DRAWING E04 FOR LEGEND

0	16APR09	ISSUE FOR AS BUILT	SYZ		
REV	DATE	DESCRIPTION	BY	INT	CHK

NOTES:

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☐ - ACCEPTANCE EXCEPT AS NOTED

BY: _____

DATE: _____

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SCALE:	NTS
CHECKED BY:	DATE:
APPROVED BY:	DATE:

CLIENT:	QUINN CONSTRUCTION LTD.
PROJECT:	22-UNIT OFFICE COMPLEX

INTERNAL DOCUMENT CONTROL	
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CHECKED BY:	DATE:
DRAWING TITLE:	
FIRE ALARM SINGLE LINE DIAGRAM	
DRAWING NO:	DWG ISSUE
D-410000386-1-E12	3

