

PROPOSAL FOR FIRE TRAINING FACILITY

LOCKPORT F.P.D. - LOCKPORT, IL.

UNIT SPECIFICATIONS

All stairwells will be half enclosed per hose operations.

UNIT SPECIFICATIONS

- 18 - 40' ISO CONTAINERS
- 1 - 20' ISO CONTAINER
- 1 - 12'X12' LOW TEMP BURN AREA
- 5 - 14'X8' BURN ROOMS
- 8 - 4'X8' BURN APRONS
- 5 - BURN WINDOWS
- 13 - BURN DOORS
- 1 - 14-ZONE RTD SYSTEM
- 24 - FLOOR DRAINS
- 5 - FLUSH-OUT HATCHES
- 6 - BURN CARTS
- 28 - 36X36 WINDOWS
- 2 - BREACH WINDOWS
- 1 - INT. CENTRAL STAIRCASE
- 1 - INT. STAIRCASE LANDING
- 1 - HINGED DIVERTER WALL
- 1 - 5-LEVEL INT. STAIRCASE
- 2 - PIVOTED WALLS
- 3 - STORAGE ROOMS
- 2 - 36X80 WALL OPENINGS
- 1 - 40' INT. WALL (HALLWAY)
- 1 - 2-LEVEL EXT. STAIRCASE
- 1 - 3-LEVEL EXT. STAIR TOWER
- 1 - ROOF PITCH PROP (4/12 PITCH)
- 1 - ROLL-UP DOOR
- 1 - BASEMENT WINDOW PROP
- 1 - BULKHEAD DECK ACCESS
- 2 - RAPPEL ANCHORS
- 4 - RECESSED BALCONIES
- 4 - SLIDING DOORS
- 5 - F.E. DOORS

TRAINING AREA = 7892 SQ.FT.



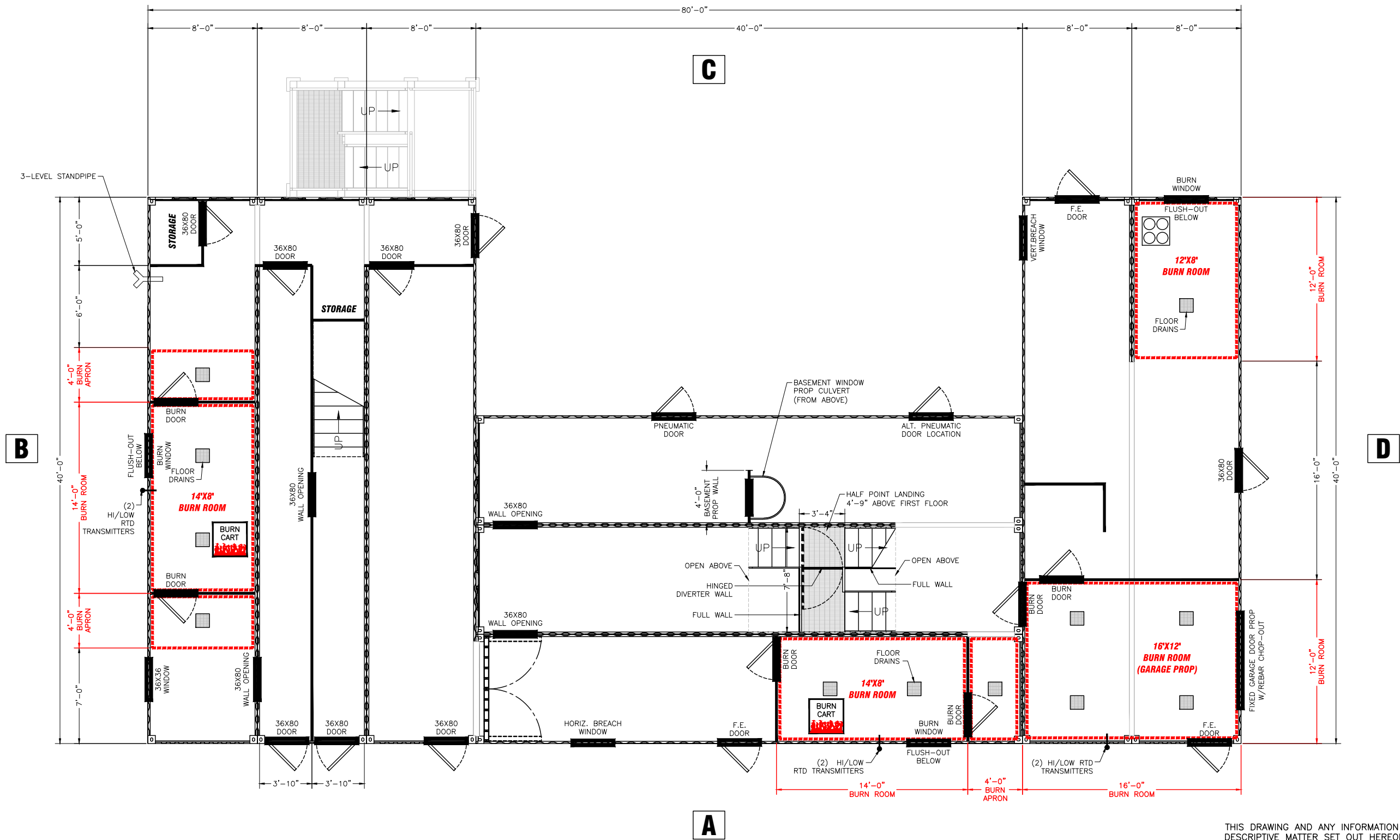
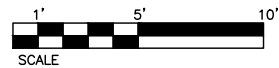
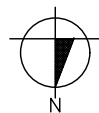
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12315 SOUTH NEW AVE., POB #39
LEMONT, ILLINOIS 60439
(630) 257-0112

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LOCKPORT F.P.D. - LOCKPORT, IL.

DRAWN BY: PRD
REV: -
DATE: 05-31-23
SCALE: -
P NO. P001208
DWG NO. **A00**

CONCEPTUAL VIEWS



FIRST FLOOR PLAN
2560 SQ. FT.

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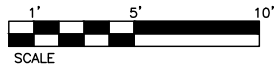
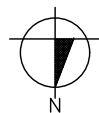
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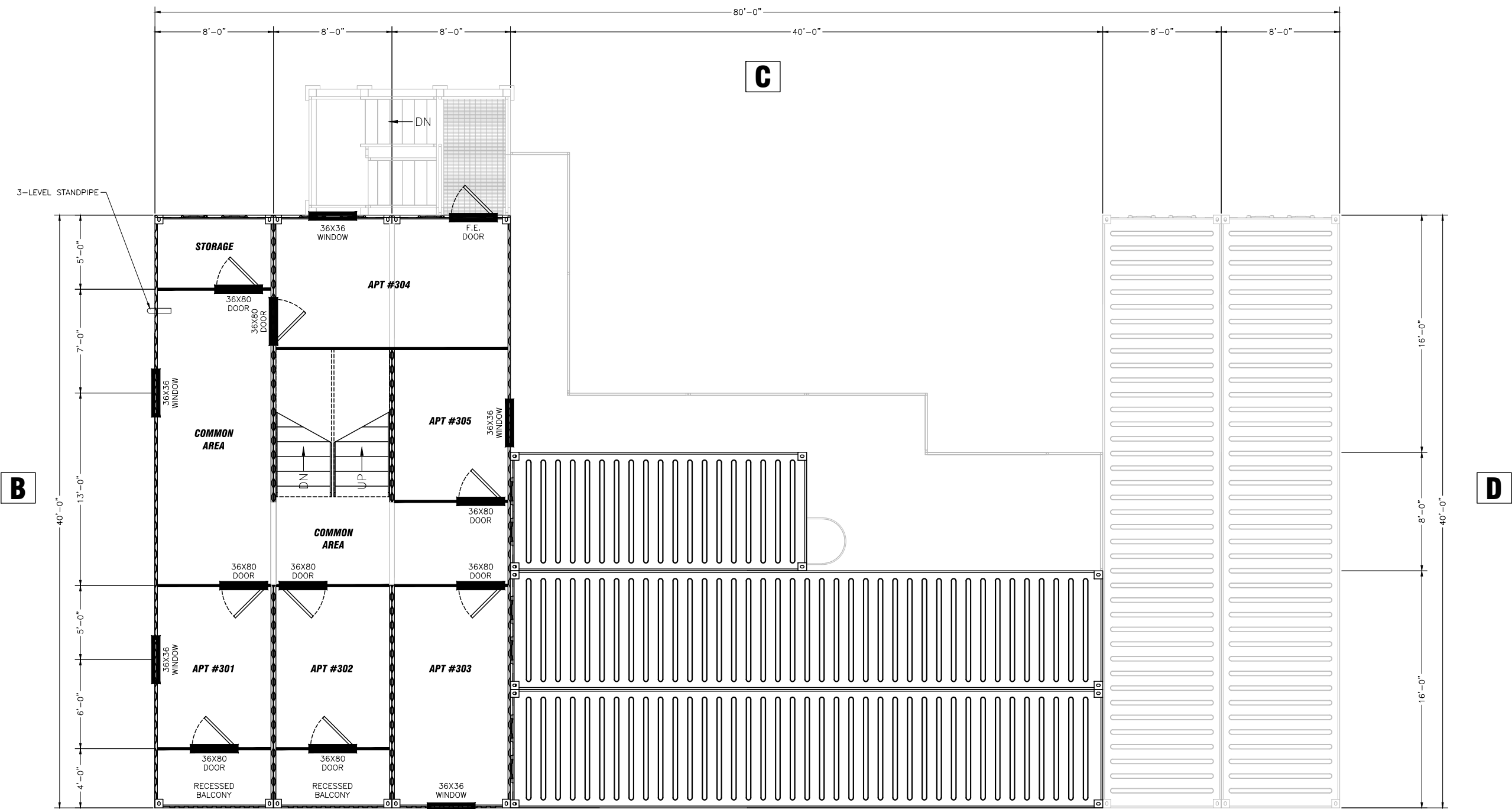
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A

THIRD FLOOR PLAN
992 SQ. FT.



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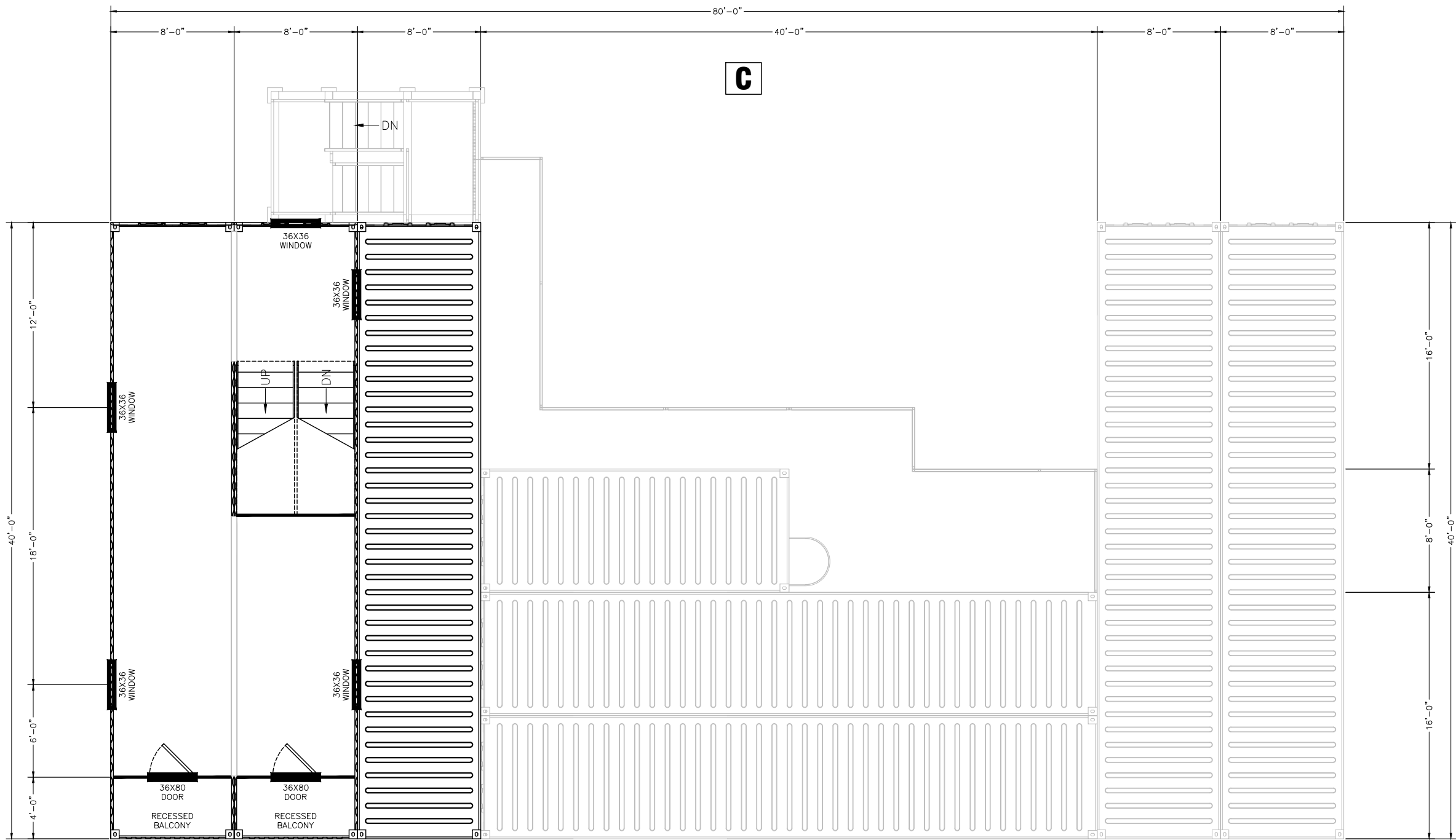
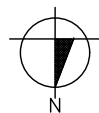
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FOURTH FLOOR PLAN
640 SQ. FT.

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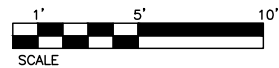
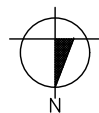
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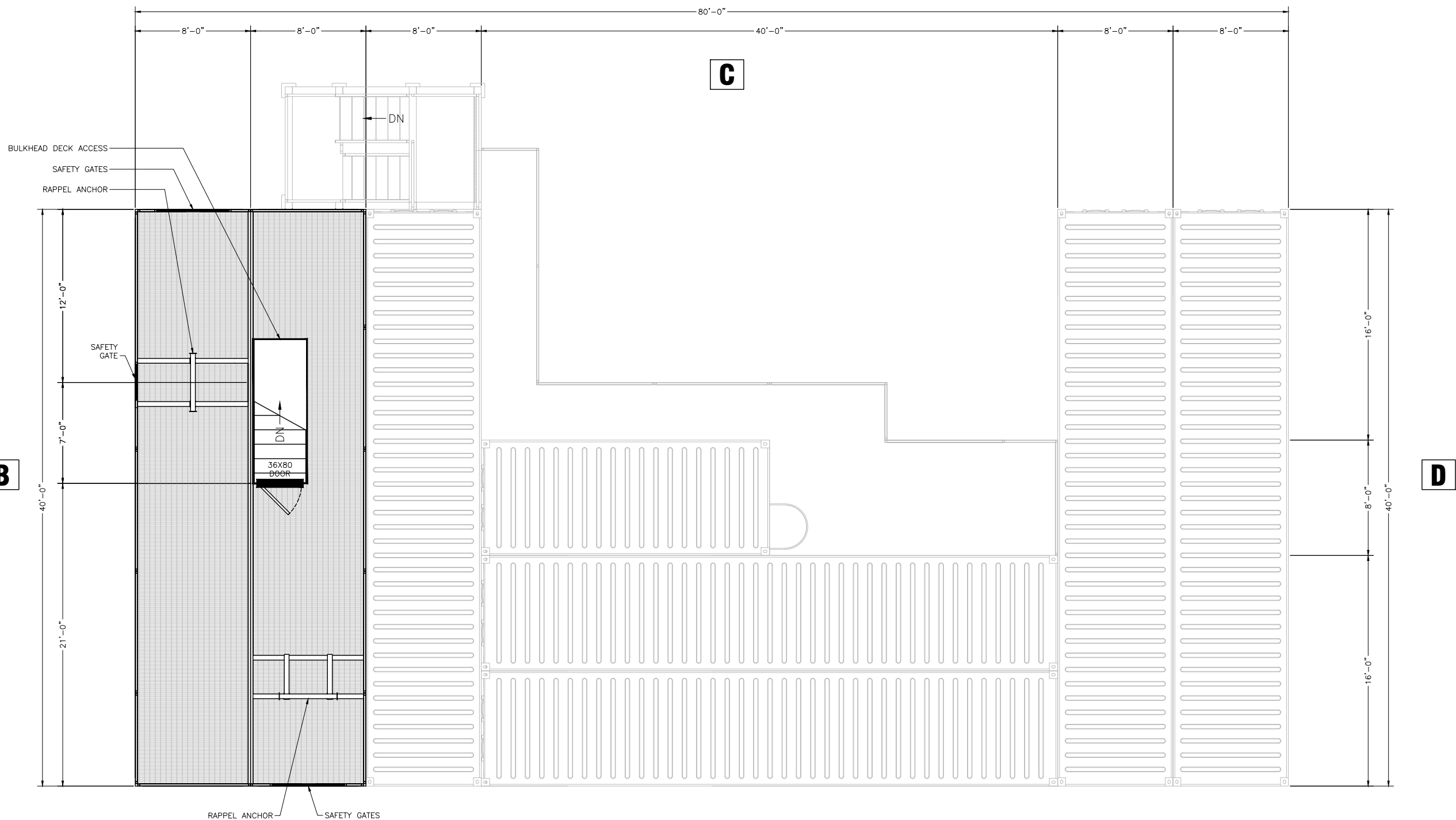
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B



A

FIFTH FLOOR PLAN
640 SQ. FT.

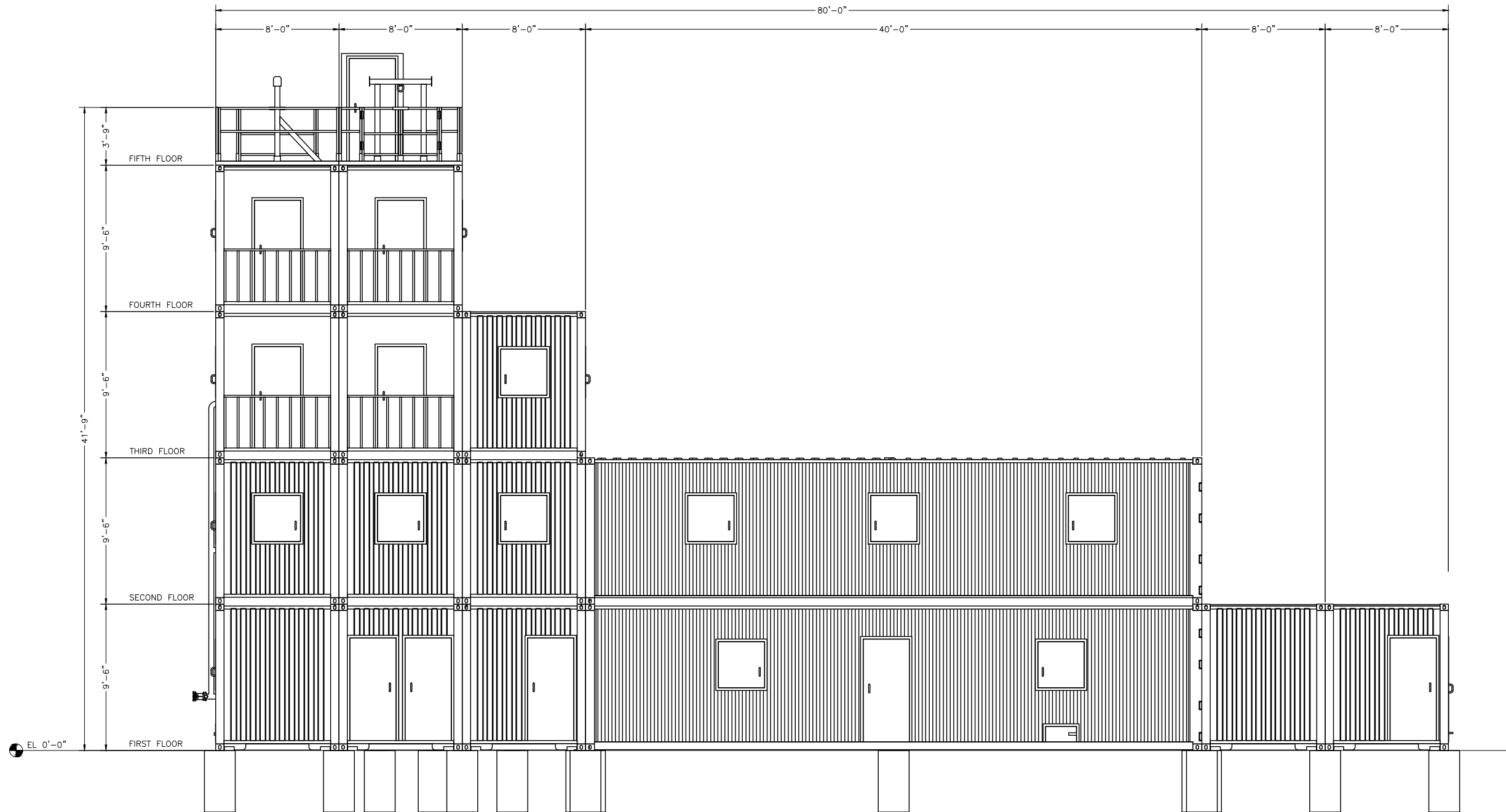
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ELEVATION VIEW LOOKING SOUTH (ALPHA)

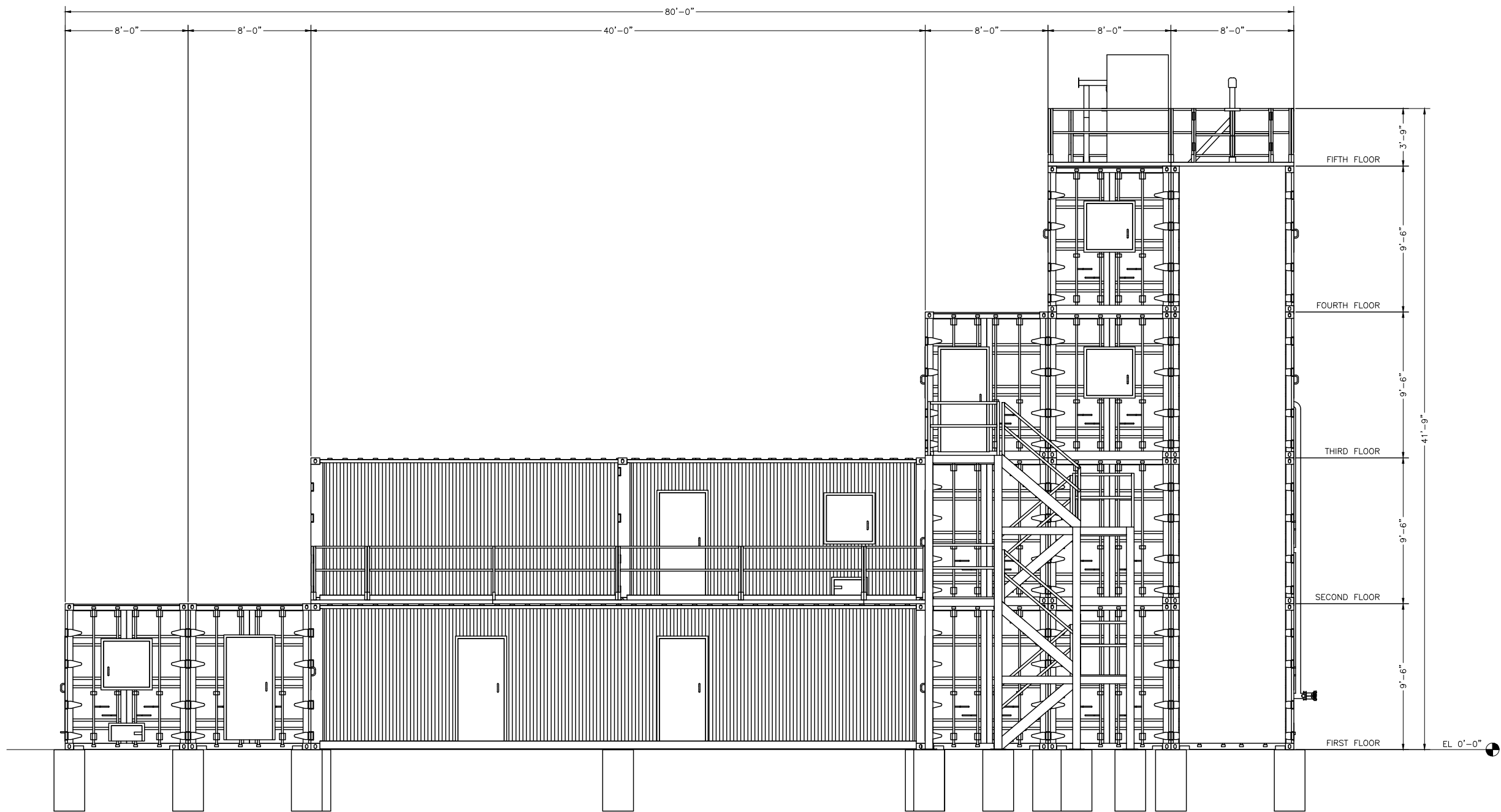
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ELEVATION VIEW LOOKING NORTH (CHARLIE)

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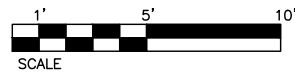
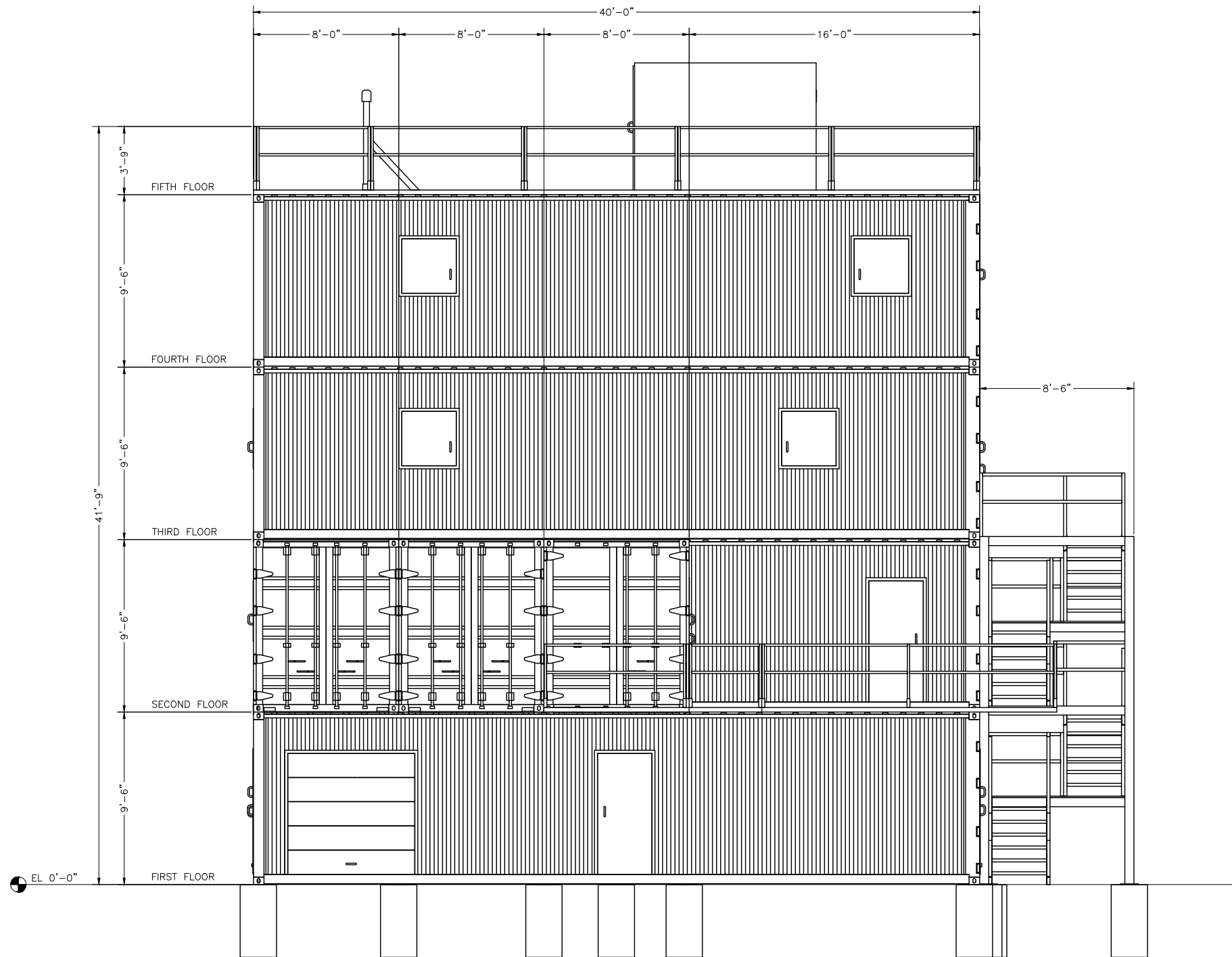
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A08



ELEVATION VIEW LOOKING EAST (DELTA)

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A09

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12345678

RevNoRevision noteDateSignatureChecked

GENERAL STRUCTURAL NOTES:
BUILDING CODE:
2015 INTERNATIONAL BUILDING CODE

LOADS:
ROOFS:
ROOF LIVE LOAD = 100 PSF
FLOORS:
FLOOR LIVE LOAD = 100 PSF
GROUND SNOW LOAD = 30.0 PSF
FLAT ROOF SNOW LOAD = 22.7 PSF
MAX. DRIFT SNOW LOAD = 43.69 PSF

LATERAL:
WIND:
3 SECOND WIND GUST = 107 MPH
MWFRS DESIGN PRESSURE = 35.5 PSF
NET ROOF UPLIFT PRESSURE = (0.60D + 0.60W)
WIND IMPORTANCE FACTOR = 1.0
EXPOSURE C.

SEISMIC:
SEISMIC IMPORTANCE FACTOR = 1.0
SHORT PERIOD SPECTRAL ACCELERATION SS = 0.066
ONE SECOND SPECTRAL ACCELERATION S1 = 0.044
LONG-PERIOD TRANSITION PERIOD TL = 8.000 SEC
SOIL SITE CLASS D
SDS = 0.070
SD1= 0.071
SEISMIC DESIGN CATEGORY B
BASIC SEISMIC-FORCE RESISTING SYSTEM = STEEL MOMENT RESISTING FRAME
RESPONSE MODIFICATION FACTOR (R) = 3.5
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE PROCEDURE
STRENGTH LEVEL BASE SHEAR: V=Cs.W=0.0201X88.32Kip = 1.77kIP
DESIGN BY OTHERS.

FOUNDATIONS:
SEE FOUNDATION REACTION TABLE, SHEET S03.
FOUNDATIONS DESIGNED IN ACCORDANCE WITH BORING D1. SEE SHEET S03A.

DRILLED PIER FOUNDATION NOTES:
1. DRILLED PIERS MUST PENETRATE AMD BEAR ON NATIVE DENSE GRAVEL OR SHALE.
2. PLACE PIER CONCRETE AS SOON AS POSSIBLE AFTER DRILLING.
3. DE-WATERING OF DRILLED PIER EXCAVATIONS IS REQUIRED IF GROUND WATER IS PRESENT ABOVE 12FT BELOW GRADE. IF DE-WATERING IS NOT POSSIBLE, PUMP OR TREMIE FOUNDATION CONCRETE UNDERWATER.

CONCRETE:

GENERAL:
ALL CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE ACI 318. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED. NO OTHER ADMIXTURES PERMITTED WITHOUT APPROVAL. FOR CONCRETE WITHOUT PLASTICIZER, MAXIMUM SLUMP 4 1/2" AT POINT OF PLACEMENT U.N.O. IF PLASTICIZER IS USED, A HIGHER FINAL SLUMP MAY BE ALLOWED UPON STRUCTURAL ENGINEER'S APPROVAL.

UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE EMBEDMENT OF CONDUITS, PIPES, SLEEVES, TEC. OF ANY MATERIAL SHALL NOT BE PERMITTED WITHIN ANY CONCRETE STRUCTURAL ELEMENT.

TEST DATA FOR EACH CONCRETE MIX SHALL BE SUBMITTED FOR REVIEW PER CHAPTER 5 OF ACI 318. REFERENCE FIGURE R5.3 FOR SUBMITTAL REQUIREMENTS AND OPTIONS. CONCRETE MIX DESIGNS THAT ARE SUBMITTED WITHOUT THE APPROPRIATE TEST DATA CANNOT BE REVIEWED.

REINFORCING:
ALL REINFORCING PER CRSI SPECIFICATIONS AND HANDBOOK. ASTM A615 (FY = 60 KSI / GRADE 60) DEFORMED BARS FOR ALL BARS #5 AND LARGER. ASTM A615 (FY = 40 KSI / GRADE 40) DEFORMED BARS FOR ALL BARS #4 AND SMALLER. WELDED WIRE FABRIC PER ASTM A185, WIRE PER ASTM A82. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE WITH THE STRUCTURAL ENGINEER. LATEST ACI CODE AND DETAILING MANUAL APPLY. CLEAR CONCRETE COVERAGES AS FOLLOWS:
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3"
EXPOSED TO EARTH OR WEATHER #5 AND SMALLER - 1 1/2"
ALL OTHER PER LATEST EDITION OF ACI 318.

ALL REINFORCING SHALL BE CHAIRED TO ENSURE PROPER CLEARANCES. SUPPORT OF FOUNDATION REINFORCING MUST PROVIDE ISOLATION FROM MOISTURE/CORROSION BY USE OF A PLASTIC OR CONCRETE CHAIR. DUCT-TAPE COVERED REINFORCING IS NOT AN ACCEPTABLE CHAIR.

ALL DIMENSIONS REFERENCED IN DRAWINGS AS "CLEAR" SHALL BE FROM FACE OF STRUCTURE TO EDGE OF REINFORCING, AND SHALL NOT BE LESS THAN STATED, NOR GREATER THAN "CLEAR" DIMENSION PLUS 3/8". ALL OTHERS SHALL BE PLUS OR MINUS 1/4" TYPICAL UNLESS NOTED OTHERWISE.

FIELD BENDING OR STRAIGHTENING OF DEFORMED BARS SHALL BE LIMITED TO #5 BARS AND SMALLER AND SHALL BE FIELD BENT OR STRAIGHTENED ONLY ONCE. ANY BEND SHALL BE LIMITED TO 90 DEGREES. IF FIELD BENDING OR STRAIGHTENING OF #6 BARS OR LARGER IS REQUIRED, OR IF A SECOND BEND IS REQUIRED FOR #5 BARS AND SMALLER, HEAT SHALL BE APPLIED FOR BENDING OR STRAIGHTENING. CONTRACTOR SHAL SUBMIT PROCEDURE FOR APPLYING HEAT TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO BENDING OR STRAIGHTENING BARS.

STRUCTURAL STEEL:

GENERAL:
ALL CONSTRUCTION PER LATEST AISC STEEL CONSTRUCTION MANUAL. ALL PIPE STEEL SHALL BE ASTM A500 (FY = 42 KSI) OR ASTM A53, TYPE E OR S, GRADE B (FY = 35 KSI). ALL TUBE STEEL SHAL BE ASTM A500 (FY = 46 KSI). ALL MISCELLANEOUS STEEL UNLESS NOTED OTHERWISE SHALL BE ASTM A36 (FY = 36 KSI). THE TERMS PIPE AND ROUND HOLLOW STRUCTURAL SHAPE (HSS) ARE USED SYNONYMOUSLY THROUGHOUT THESE DOCUMENTS ALONG WITH THE TERMS TUBE STEEL AND RECTANGULAR OR SQUARE HSS.

ALL STRUCTURAL ROLLED STEEL MEMBERS WITH FY GREATER THAN 36 KSI ARE TO BE IDENTIFIED WITH AN ASTM SPECIFICATION MARK OR TAG PER IBC SEC. 2203.1. UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE ASTM A307. ALL BOLTS SHALL BE INSTALLED WITH STEEL WASHERS AT SHORT SLOTTED HOLES USING SNUG TIGHT INSTALLATION, UNLESS NOTED OTHERWISE.

EXPANSION ANCHORS:
ALL EXPANSIVE ANCHORAGE FOR CONCRETE INSTALLATION SHALL BE PER POWERS FASTENERS POWER-STUD+SD2 WEDGE ANCHOR (ICC ESR-2502) OR APPROVED EQUIVALENT. ALL ANCHORS SHALL BE INSTALLED WITH STEEL WASHERS AT SHORT SLOTTED HOLES USING SNUG TIGHT INSTALLATION UNLESS NOTED OTHERWISE.

STEEL ERECTION NOTE:
PER OSHA, STEEL MEMBERS AND DIAGONAL BRACING CANNOT BE RELEASED FROM HOISTING CABLES UNTIL ALL BOLTS OR WELDS AT MEMBER ENDS ARE COMPLETE.

WELDING:
UNLESS NOTED OTHERWISE, ALL WELDS PER LATEST EDITION OF THE AWS D1.1 STANDARDS. ALL WELDING SHALL BE PERFORMED BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. CERTIFICATES SHALL BE THOSE ISSUED BY AN ACCEPTED TESTING AGENCY. ALL WELDING DONE BY E70 SERIES LOW HYDROGEN RODS UNLESS NOTED OTHERWISE. ALL WELDS SHALL BE SHOP WELDS, U.N.O..

GENERAL NOTES:
THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. EXCEPT WHERE NOTED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE ENGINEER OF RECORD SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES FOR PROCEDURE OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT THERETO (NOR SHALL OBSERVATION VISITS TO THE SITE INCLUDE INSPECTION OF THESE ITEMS).

WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA. ANY ENGINEERING DESIGN, PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF A REGISTERED ENGINEER RECOGNIZED BY THE BUILDING CODE JURISDICTION OF THIS PROJECT.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN.

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL ITEMS WITH THE APPROPRIATE TRADE DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.

TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE.

COMPLIANCE
NFPA COMPLIANT 1402, 1403, 1500, 1001
UL/FIRE MARSHALL RATED FOR CLASS A LIVE FIRE

FINISH:
FINISH SHALL BE RED FOR THE BODY, WINDOW, AND DOOR PANELS.

ABBREVIATIONS
A.B.C. - AGGREGATE BASE COURSE
A.F.F. - ABOVE FINISHED FLOOR
ALT. - ALTERNATE
A.B. - ANCHOR BOLT
@ - AT (MEASUREMENT)
B.F.F - BELOW FINISHED FLOOR
B.O.F. - BOTTOM OF FOOTING
BRG - BEARING
C.I.P. - CAST IN PLACE
C.L. - CENTERLINE
C.L.F. - CENTERLINE OF FOOTING
CLR - CLEAR
CONC - CONCRETE
CONC C.J. - CONCRETE CONTROL JOINT
CONC S.J. - CONCRETE SAWCUT JOINT
CONN - CONNECTION
CONT - CONTINUOUS
D.L. - DEAD LOAD
ø OR DIA. - DIAMETER
DN - DOWN
DWG(S) - DRAWING(S)
E.O.S. - EGDE OF SLAB
EQ - EQUAL
EXP. BOLT - EXPANSION BOLT
EXP. JT (E.J.) - EXPANSION JOINT
E.W. - EACH WAY
F.F. - FINISHED FLOOR
F.O.S. - FACE OF STEEL
F.O.W. -FACE OF WALL
F.W. - FIELD WELD
G.S.N. - GENERAL STRUCTURAL NOTES
HORIZ - HORIZONTAL
K(KIP) -1000 POUNDS
L.L. - LIVE LOAD
LBS (#) - POUNDS
MFR(S) - MANUFACTURER(S)
N/A - NOT APPLICABLE
N.T.S. - NOT TO SCALE
O.C. - ON CENTER
OPP - OPPOSITE
PLF - POUNDS PER LINEAR FOOT
PSF - POUNDS PER SQUARE FOOT
PSI - POUNDS PER SQUARE INCH
REINF - REINFORCING
SIM - SIMILAR
SQ. - SQUARE
STD - STANDARD
T.L. - TOTAL LOAD
T.O.F. - TOP OF FOOTING
T.O.P. - TOP OF PLATE
T.O.S. - TOP OF STEEL
TYP - TYPICAL
U.N.O. -UNLESS NOTED OTHERWISE
VERT - VERTICAL
W.W.F. -WELDED WIRE FABRIC
W/ - WITH
W/O - WITHOUT

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ItemrefQuantityTitle/Name, designation, material, dimension etcArticle No./Reference

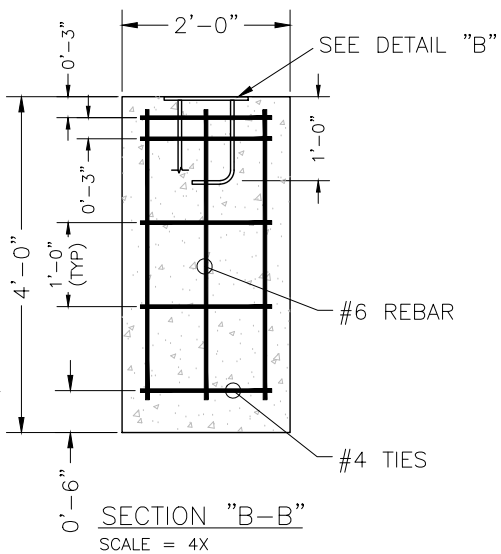
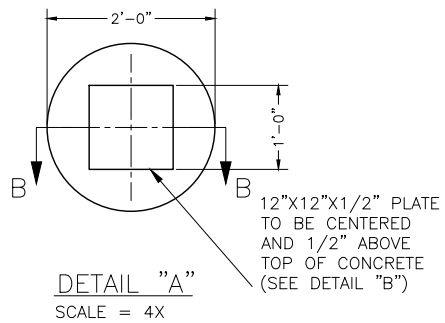
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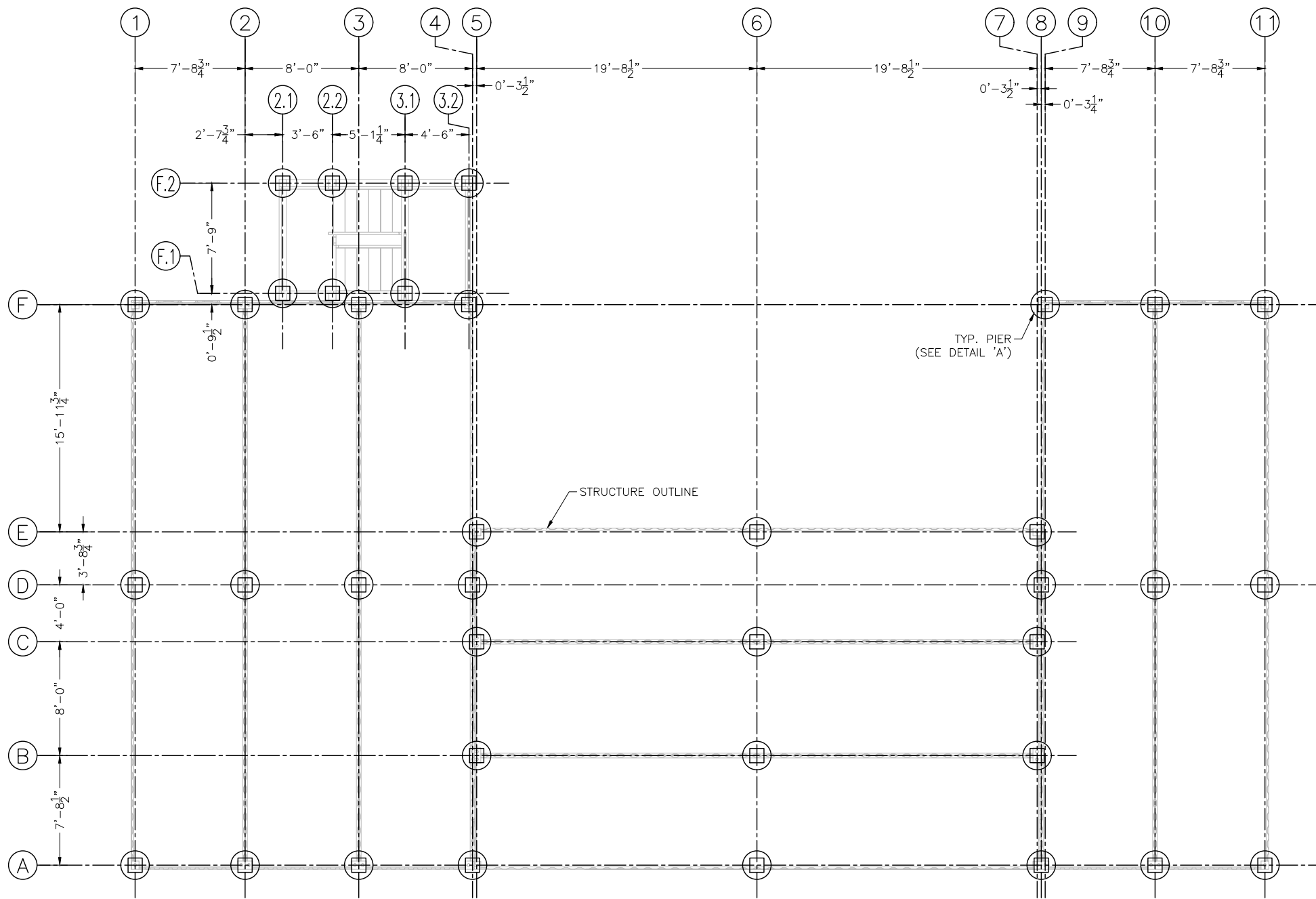
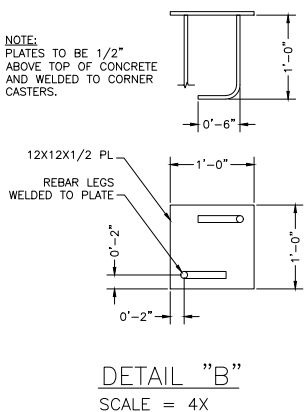
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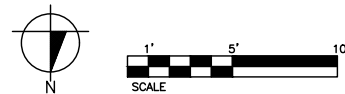
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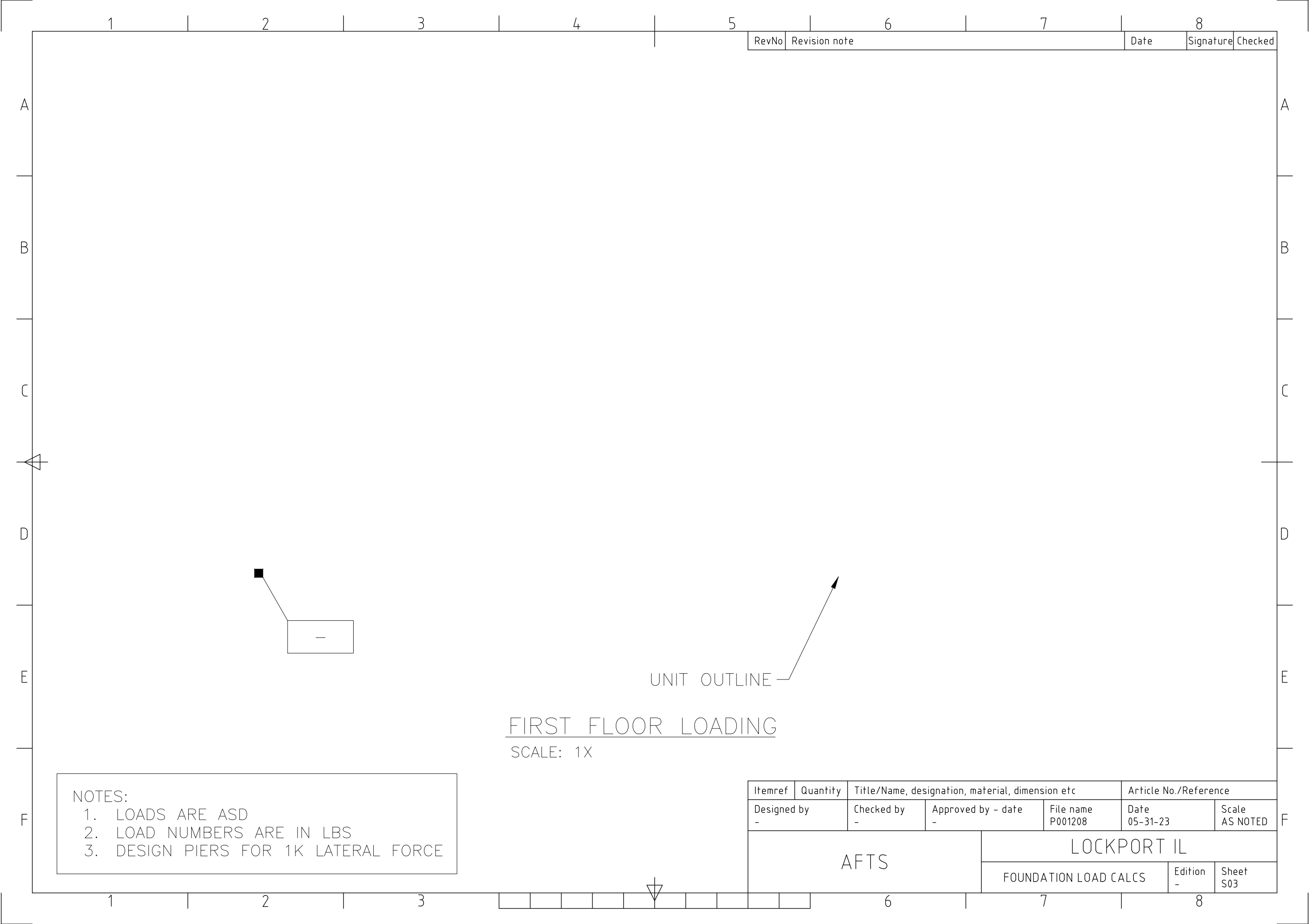


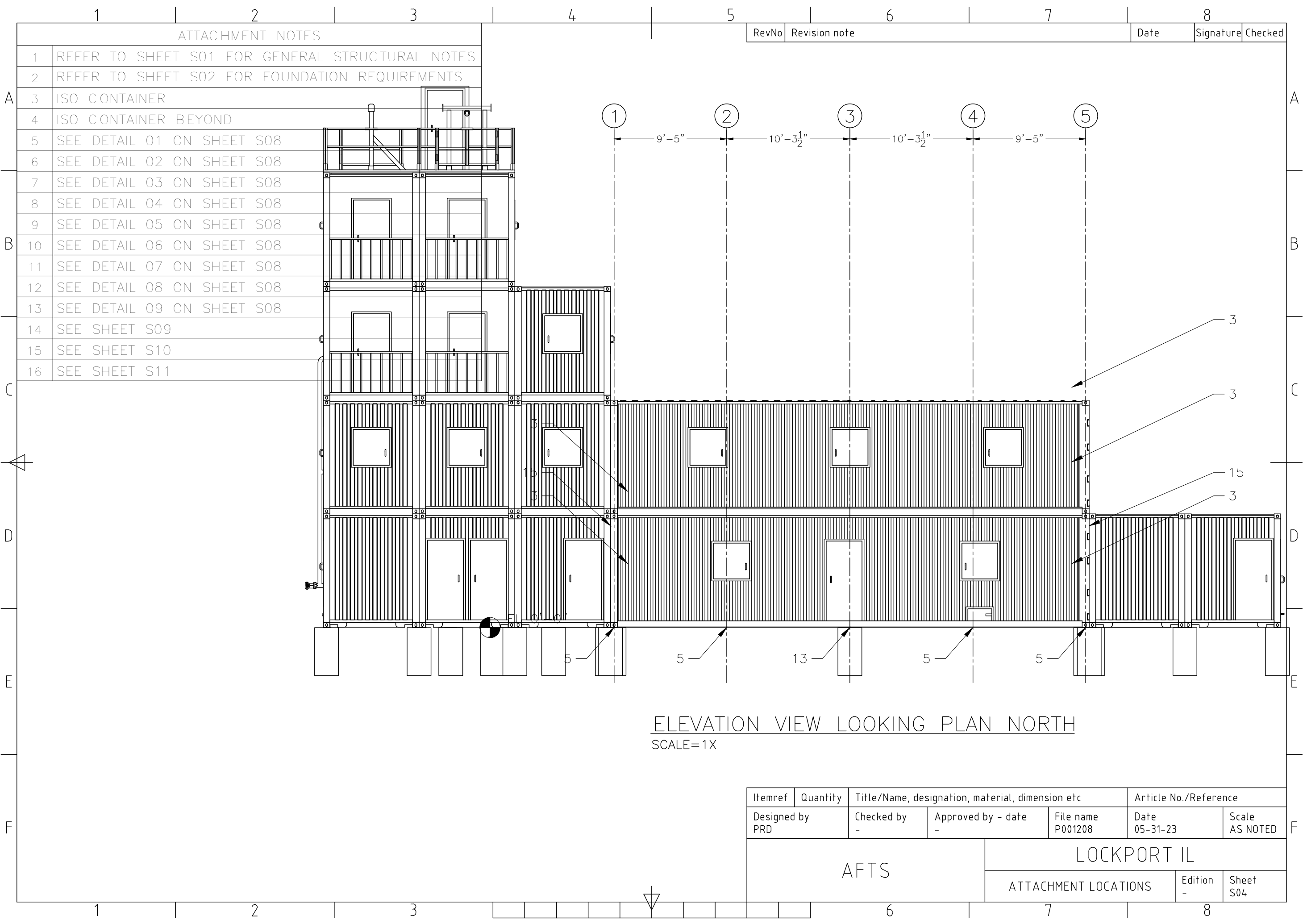
RECOMMENDED PIER LAYOUT
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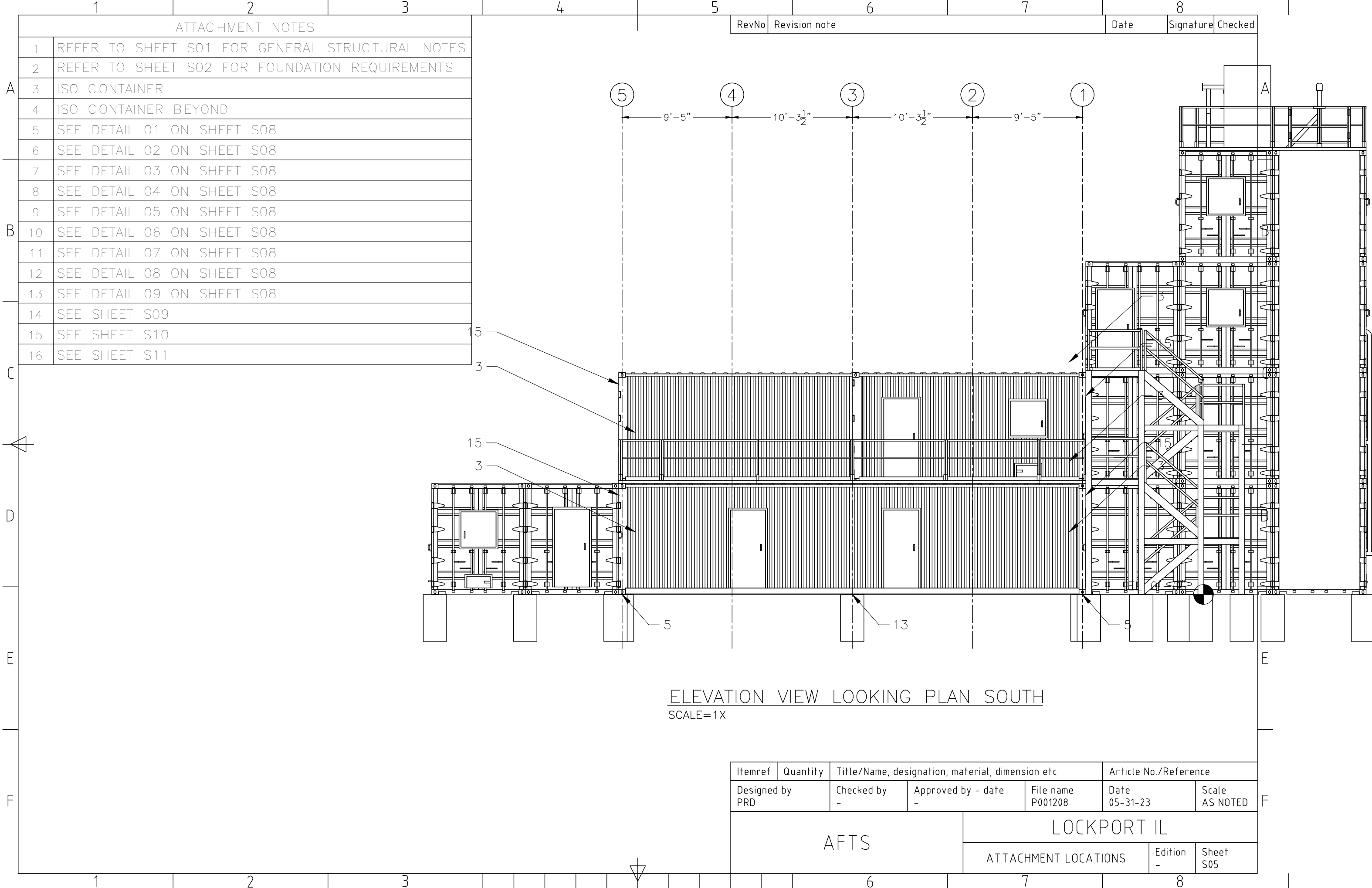


RECOMMENDED PIER DESIGN ONLY. LOCAL SOIL
AND CODE REQUIREMENTS MAY REQUIRE CHANGE
IN DESIGN. SEE LOCAL CODE.

Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by	-	Checked by	-	Approved by - date	File name P001208	Date 05-31-23
AFTS				LOCKPORT IL		
				PIER LAYOUT		Scale AS NOTED
				Edition -		Sheet S02







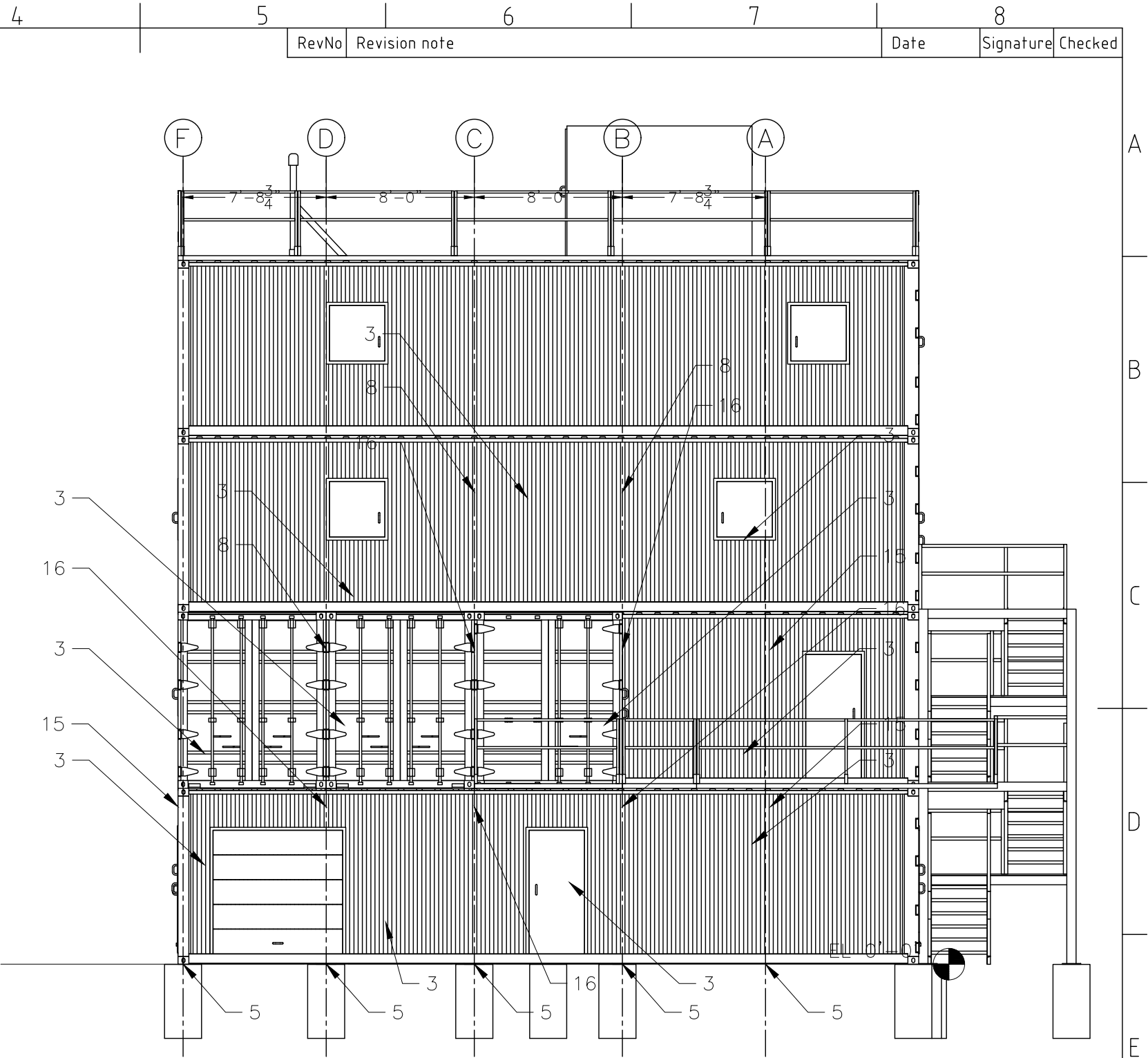
ATTACHMENT NOTES	
1	REFER TO SHEET S01 FOR GENERAL STRUCTURAL NOTES
2	REFER TO SHEET S02 FOR FOUNDATION REQUIREMENTS
3	ISO CONTAINER
4	ISO CONTAINER BEYOND
5	SEE DETAIL 01 ON SHEET S08
6	SEE DETAIL 02 ON SHEET S08
7	SEE DETAIL 03 ON SHEET S08
8	SEE DETAIL 04 ON SHEET S08
9	SEE DETAIL 05 ON SHEET S08
10	SEE DETAIL 06 ON SHEET S08
11	SEE DETAIL 07 ON SHEET S08
12	SEE DETAIL 08 ON SHEET S08
13	SEE DETAIL 09 ON SHEET S08
14	SEE SHEET S09
15	SEE SHEET S10
16	SEE SHEET S11

RevNo	Revision note	Date	Signature	Checked
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Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by PRD		Checked by -	Approved by - date -	File name P001208	Date 05-31-23	Scale AS NOTED
AFTS				LOCKPORT IL		
				ATTACHMENT LOCATIONS	Edition -	Sheet S05

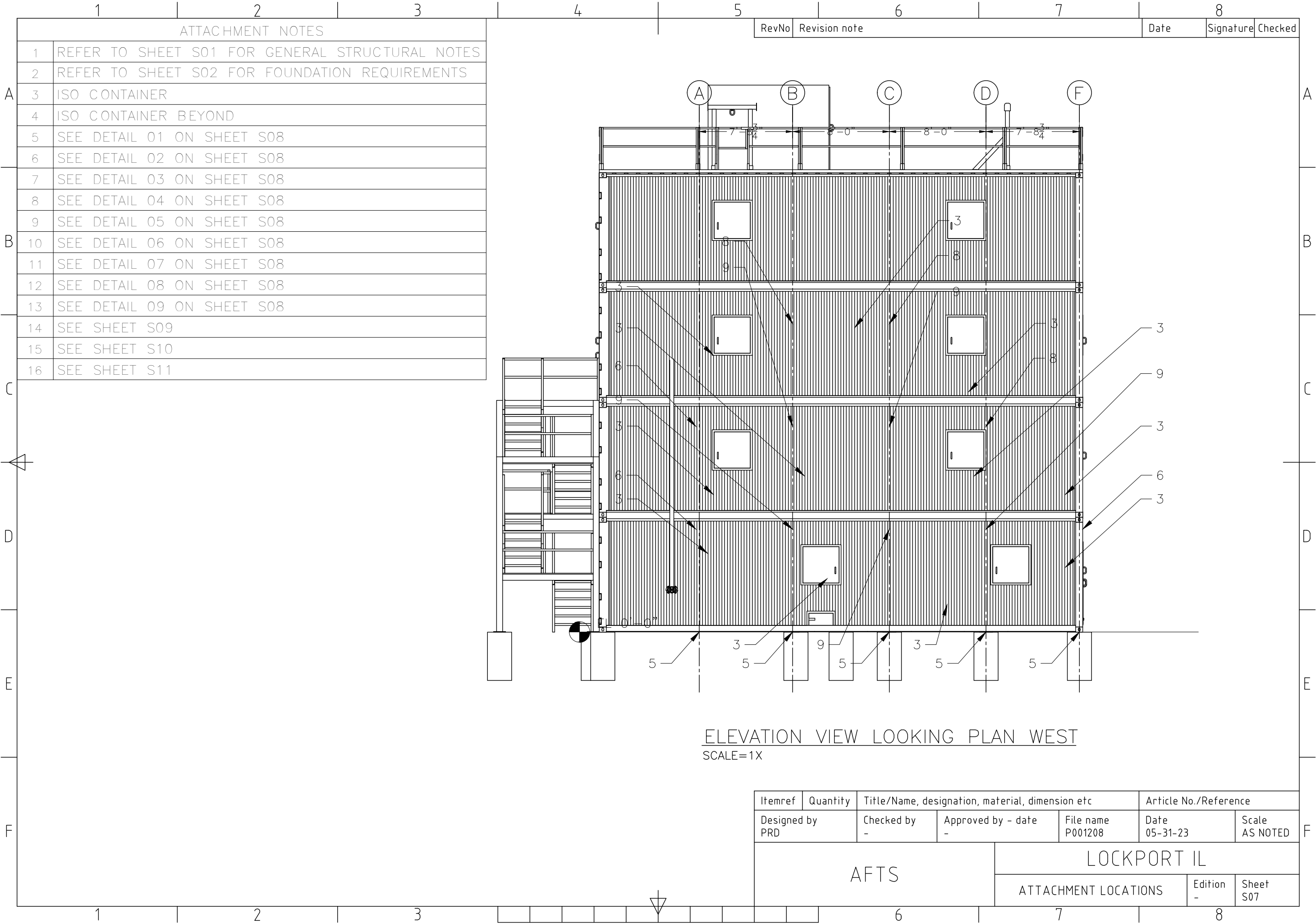
	1	2	3
ATTACHMENT NOTES			
A	1	REFER TO SHEET S01 FOR GENERAL STRUCTURAL NOTES	
	2	REFER TO SHEET S02 FOR FOUNDATION REQUIREMENTS	
	3	ISO CONTAINER	
	4	ISO CONTAINER BEYOND	
B	5	SEE DETAIL 01 ON SHEET S08	
	6	SEE DETAIL 02 ON SHEET S08	
	7	SEE DETAIL 03 ON SHEET S08	
	8	SEE DETAIL 04 ON SHEET S08	
	9	SEE DETAIL 05 ON SHEET S08	
	10	SEE DETAIL 06 ON SHEET S08	
	11	SEE DETAIL 07 ON SHEET S08	
	12	SEE DETAIL 08 ON SHEET S08	
C	13	SEE DETAIL 09 ON SHEET S08	
	14	SEE SHEET S09	
	15	SEE SHEET S10	
	16	SEE SHEET S11	

	1	2	3
A			
B			
C			
D			
E			
F			

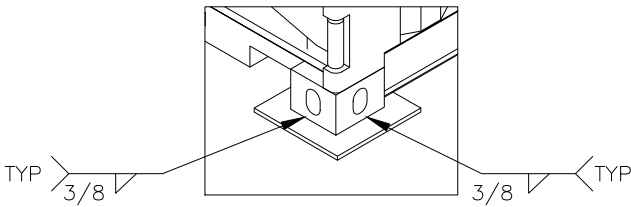


ELEVATION VIEW LOOKING PLAN WEST
SCALE=1X

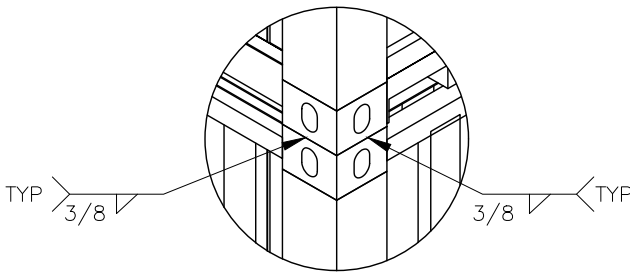
Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by PRD		Checked by -	Approved by - date -	File name P001208	Date 05-31-23	Scale AS NOTED
AFTS			LOCKPORT IL			
			ATTACHMENT LOCATIONS		Edition -	Sheet S06



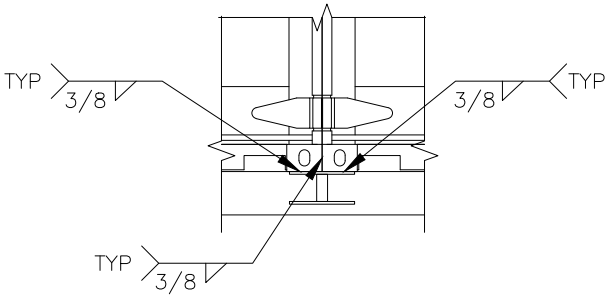
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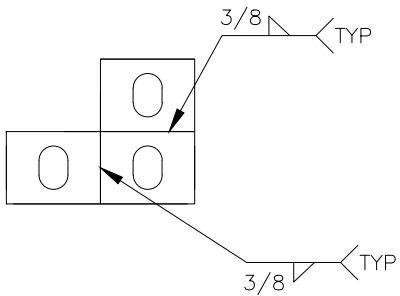
01 ATTACHMENT AT STEEL PLATE
NO SCALE



02 ATTACHMENT AT CORNER POSTS
NO SCALE

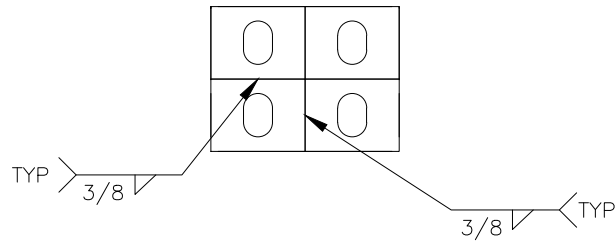


03 ATTACHMENT AT STEEL PLATE
NO SCALE

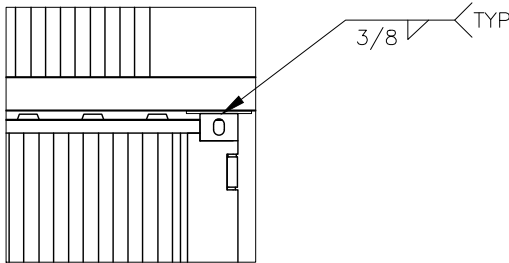


04 ATTACHMENT AT CORNER POSTS
NO SCALE

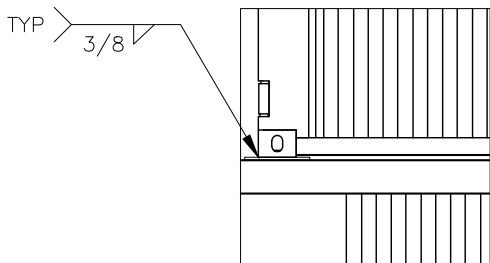
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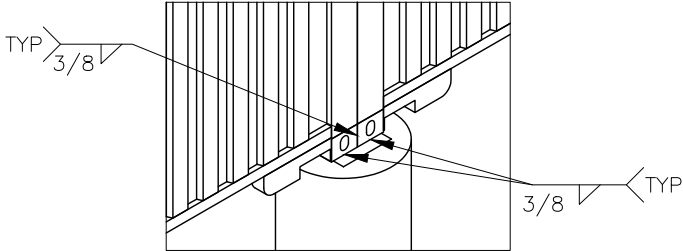
05 ATTACHMENT AT CORNER POSTS
NO SCALE



06 ATTACHMENT AT STEEL PLATE
NO SCALE



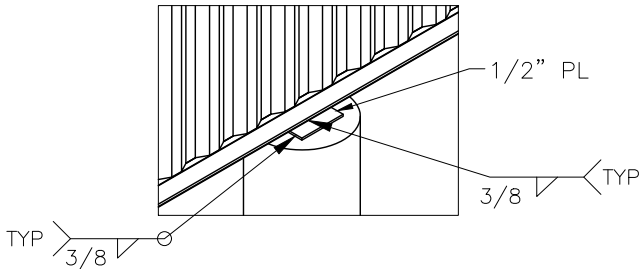
07 ATTACHMENT AT STEEL PLATE
NO SCALE



08 ATTACHMENT AT STEEL PLATE
NO SCALE

C

D



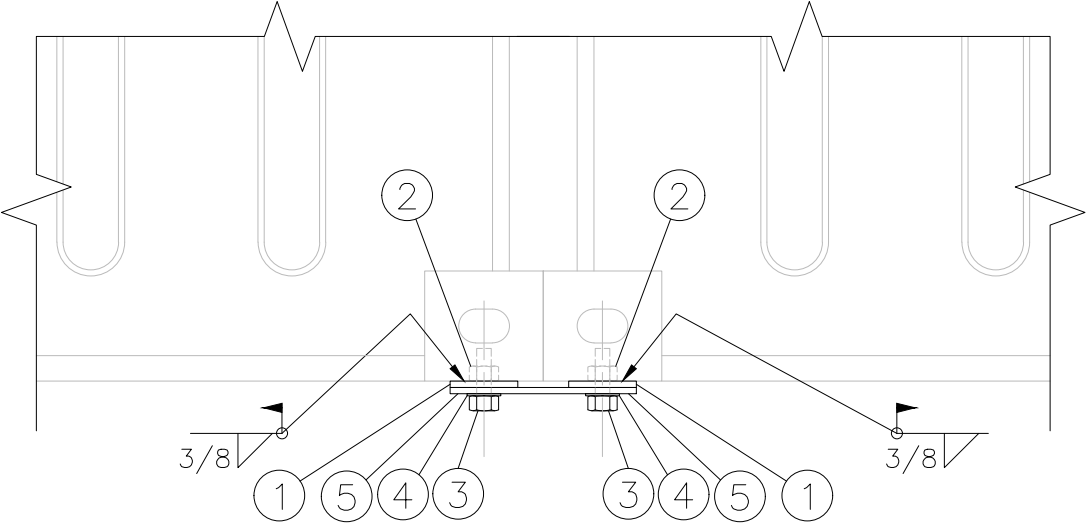
09 ATTACHMENT AT STEEL PLATE
NO SCALE

E

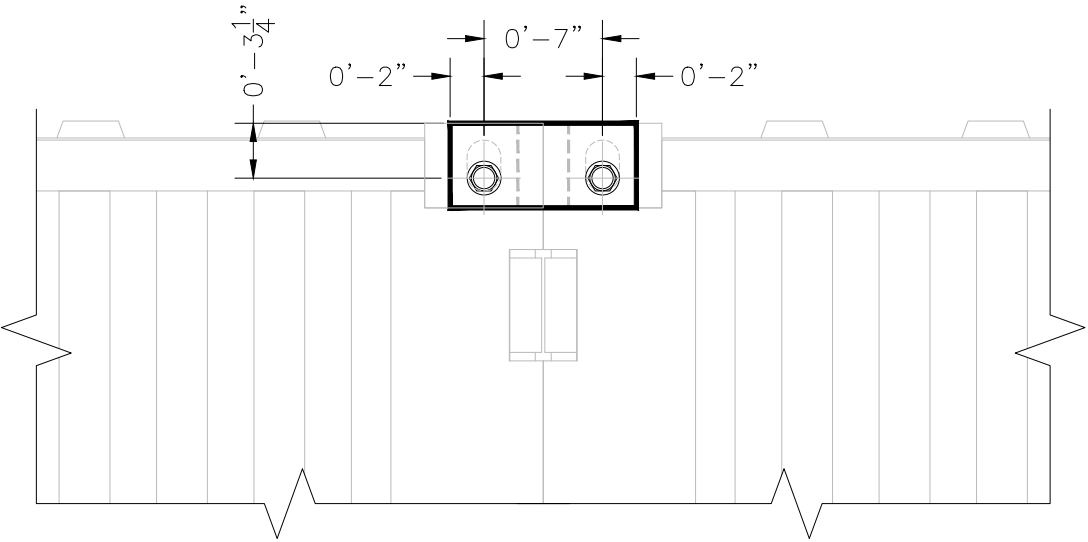
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RevNo	Revision note	Date	Signature	Checked
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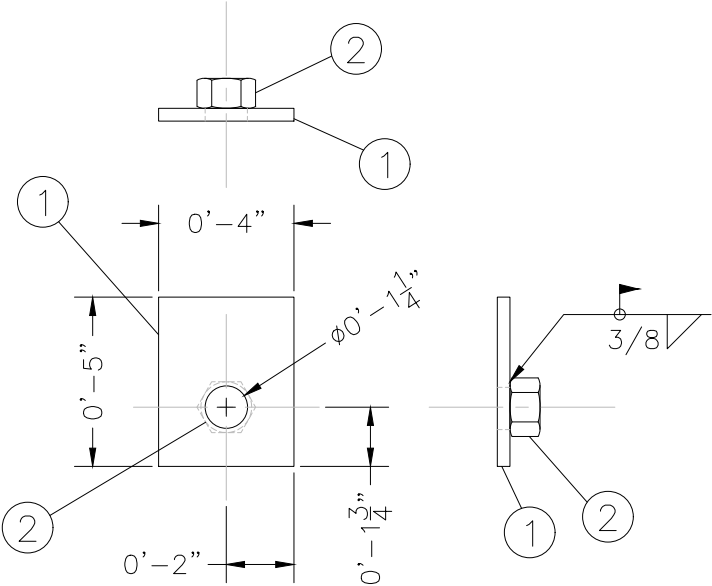
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Designed by	Checked by	Approved by - date	File name	Date	Scale	
-	-	-	P001208	05-31-23	AS NOTED	
AFTS				LOCKPORT IL		
				ATTACHMENT DETAILS	Edition	Sheet
				-	-	S08



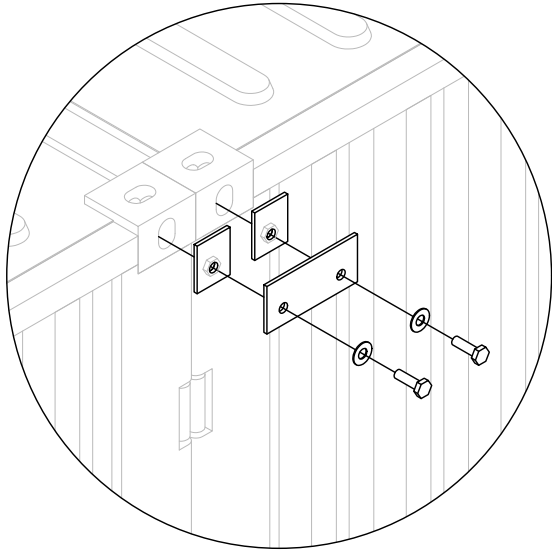
PLAN VIEW
SCALE=1X



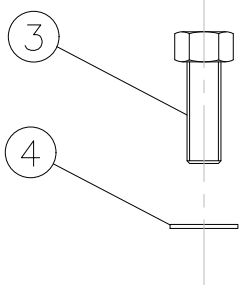
ELEVATION VIEW
SCALE=1X



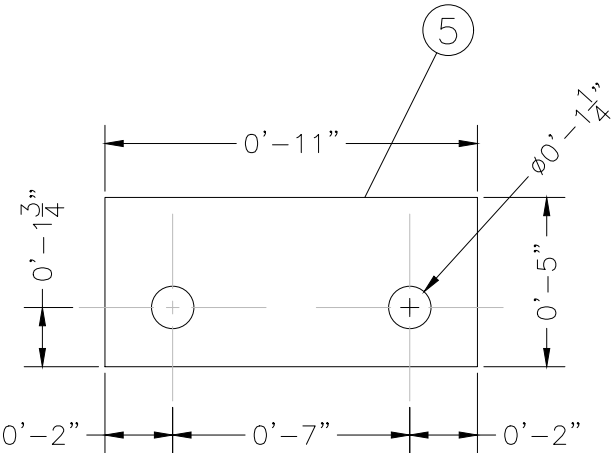
INNER PLATE MOUNT ASSEMBLY
SCALE=2X



ISO VIEW ASSY.
SCALE=NTS



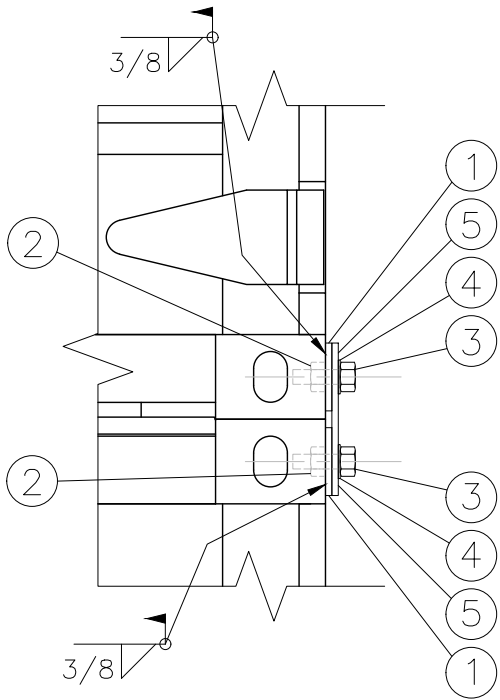
BOLT & WASHER
SCALE=2X



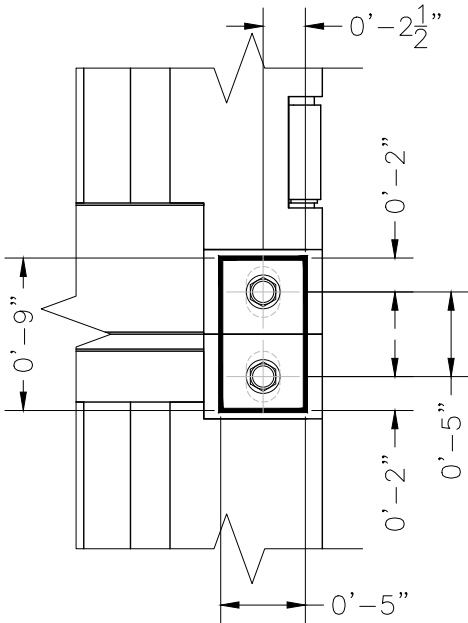
OUTER PLATE
SCALE=2X

BILL OF MATERIALS		
ITEM #	DESCRIPTION	QUANTITY
1	5"x4"x3/8" PLATE	2
2	1" HEX NUT	2
3	1" HEX BOLT	2
4	1" WASHER	2
5	5"x11"x3/8" PLATE	1

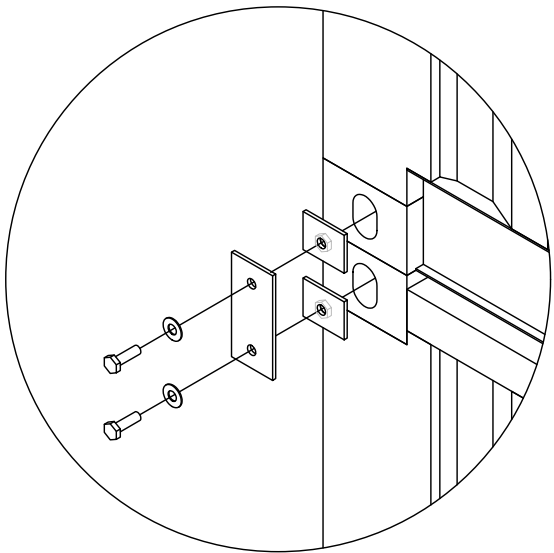
Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by	Checked by	Approved by - date	File name	Date	Scale	
-	-	-	P001208	05-31-23	AS NOTED	
AFTS			LOCKPORT IL			
			ATTACHMENT DETAILS	Edition	Sheet	
			-	-	S09	



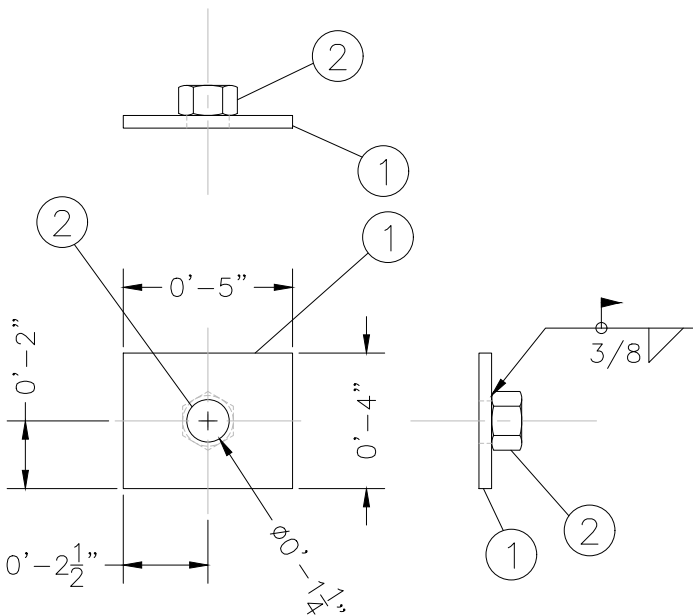
SIDE VIEW
SCALE=1X



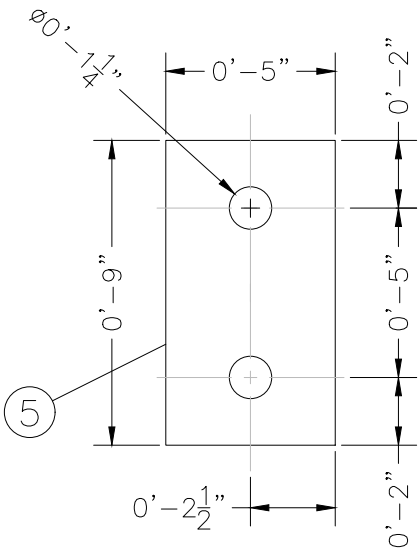
FRONT VIEW
SCALE=1X



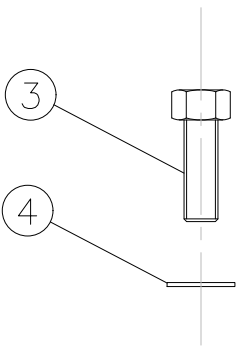
ISO VIEW ASSY.
SCALE=NTS



INNER PLATE MOUNT ASSEMBLY
SCALE=2X



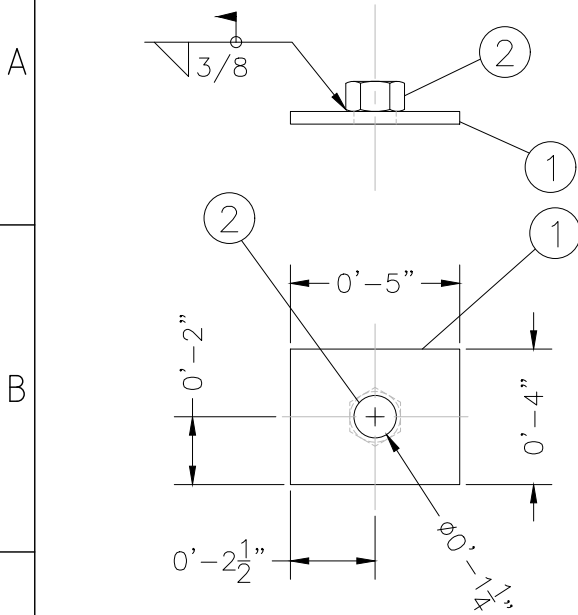
OUTER PLATE
SCALE=2X



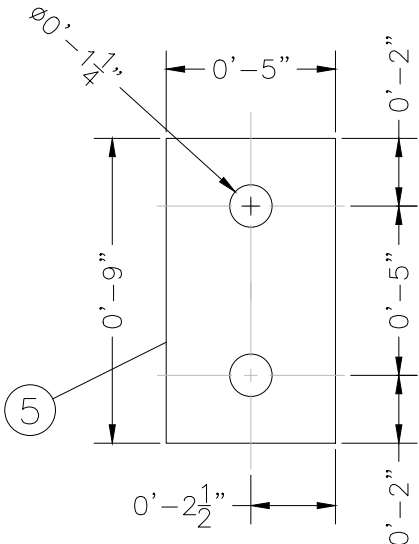
BOLT & WASHER
SCALE=2X

BILL OF MATERIALS		
ITEM #	DESCRIPTION	QUANTITY
1	5"X4"X3/8" PLATE	2
2	1" HEX NUT	2
3	1" HEX BOLT	2
4	1" WASHER	2
5	5"X9"X3/8" PLATE	1

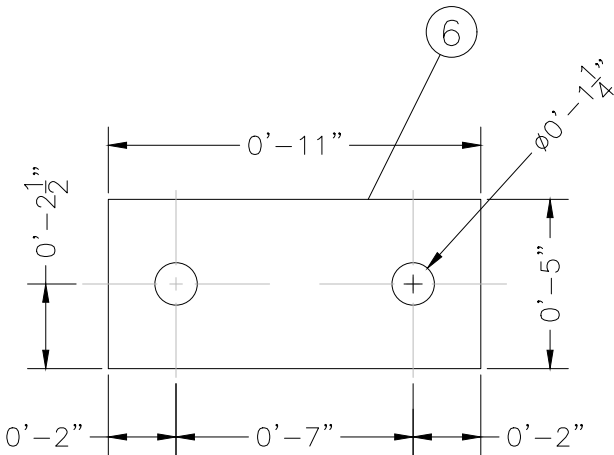
Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by	Checked by	Approved by - date	File name	Date	Scale	
-	-	-	P001208	05-31-23	AS NOTED	
AFTS			LOCKPORT IL			
			ATTACHMENT DETAILS	Edition	Sheet	
			-	-	S10	



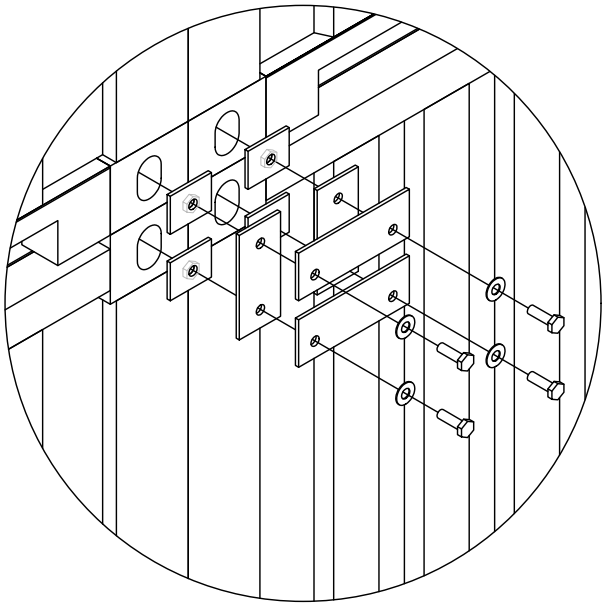
INNER PLATE MOUNT ASSEMBLY
SCALE=2X



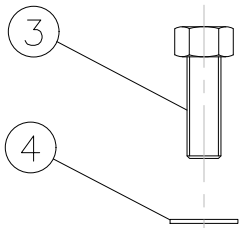
MID PLATE
SCALE=2X



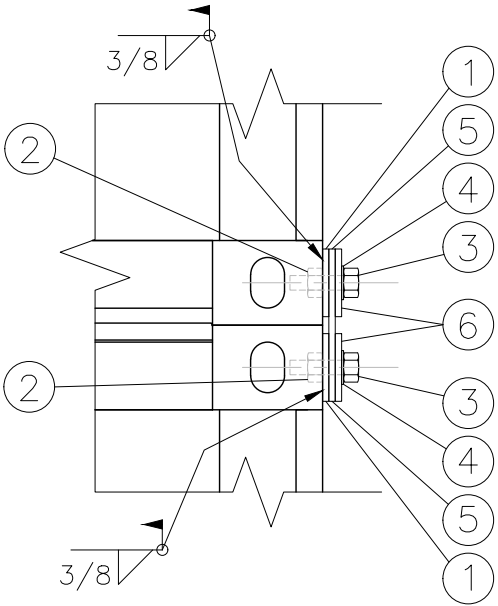
OUTER PLATE
SCALE=2X



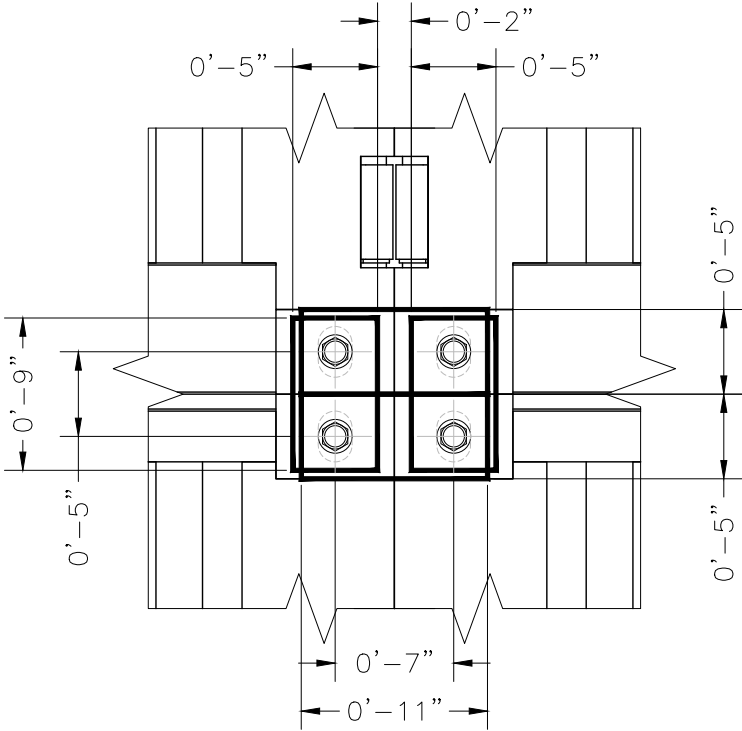
ISO VIEW ASSY.
SCALE=NTS



BOLT & WASHER
SCALE=2X



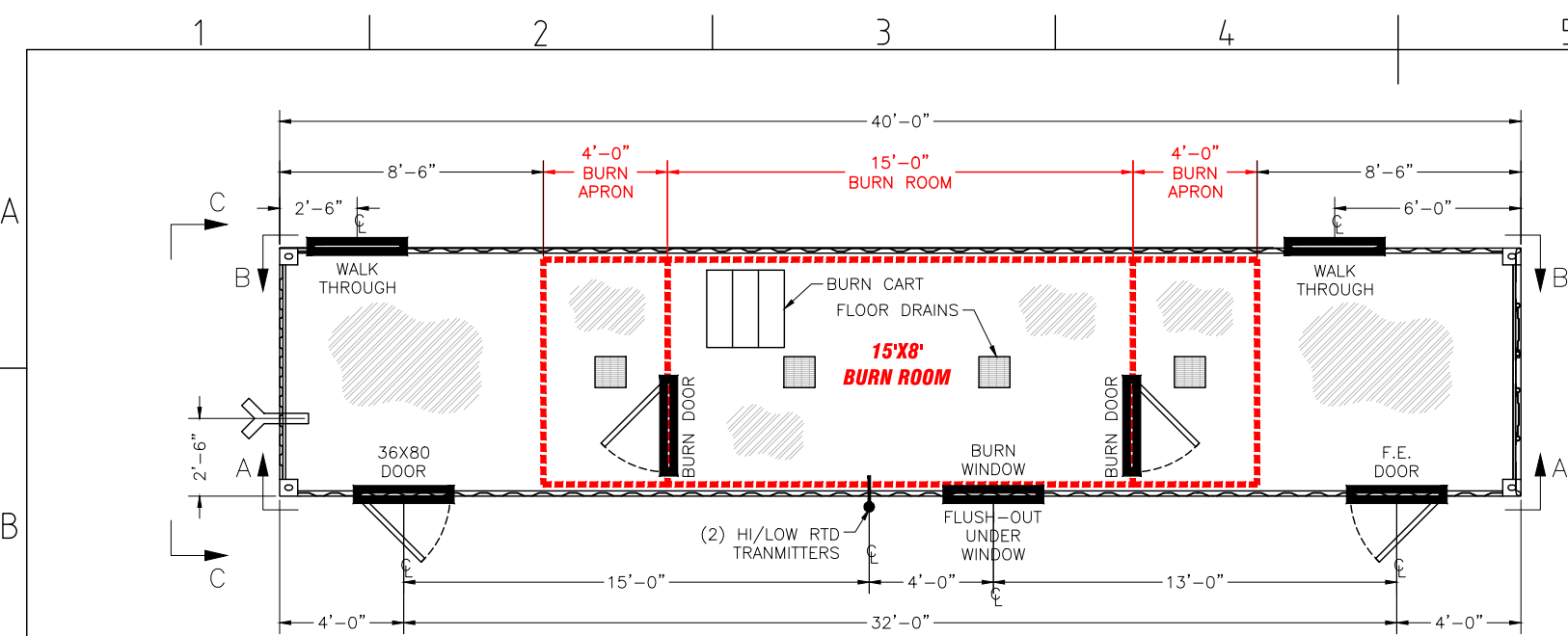
SIDE VIEW
SCALE=1X



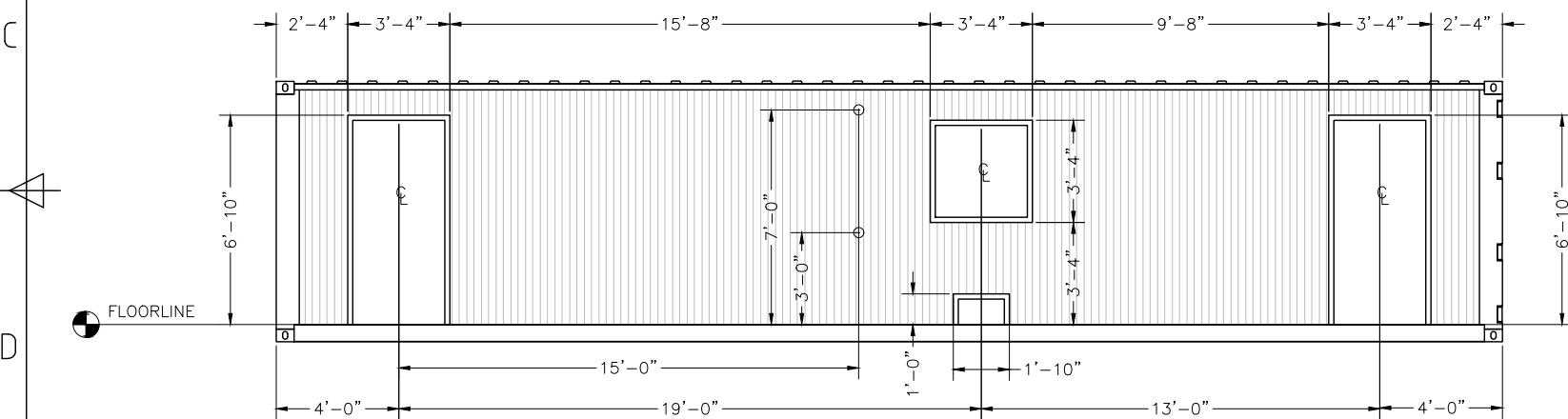
FRONT VIEW
SCALE=1X

BILL OF MATERIALS		
ITEM #	DESCRIPTION	QUANTITY
1	5"X4"X3/8" PLATE	4
2	1" HEX NUT	4
3	1" HEX BOLT	4
4	1" WASHER	4
5	5"X9"X3/8" PLATE	2
6	5"X11"X3/8" PLATE	2

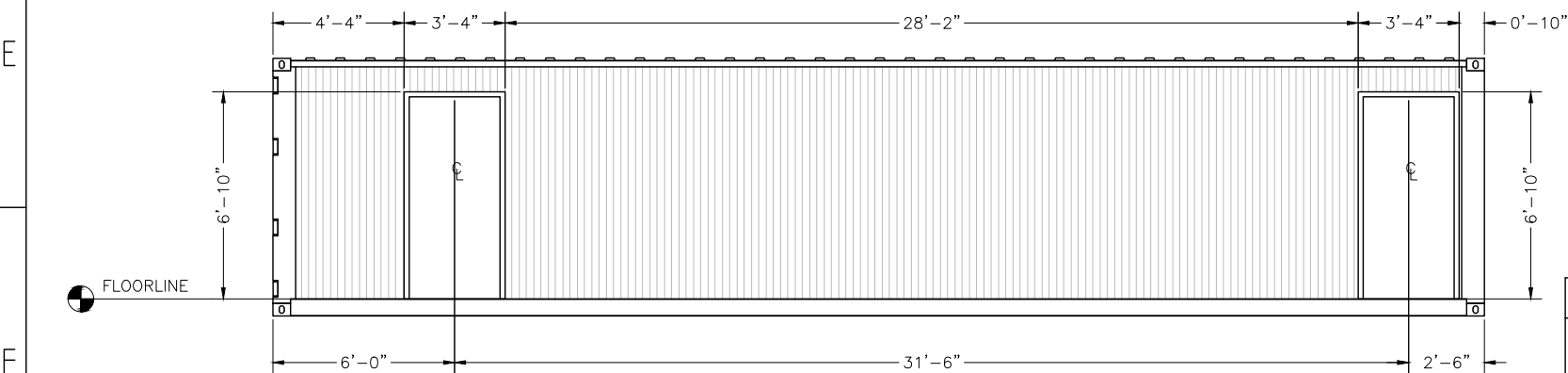
Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by	Checked by	Approved by - date	File name	Date	Scale	
-	-	-	P001208	05-31-23	AS NOTED	
AFTS			LOCKPORT IL			
			ATTACHMENT DETAILS	Edition	Sheet	
			-	-	S11	



CONTAINER 1 OF 6 PLAN VIEW
SCALE=1X



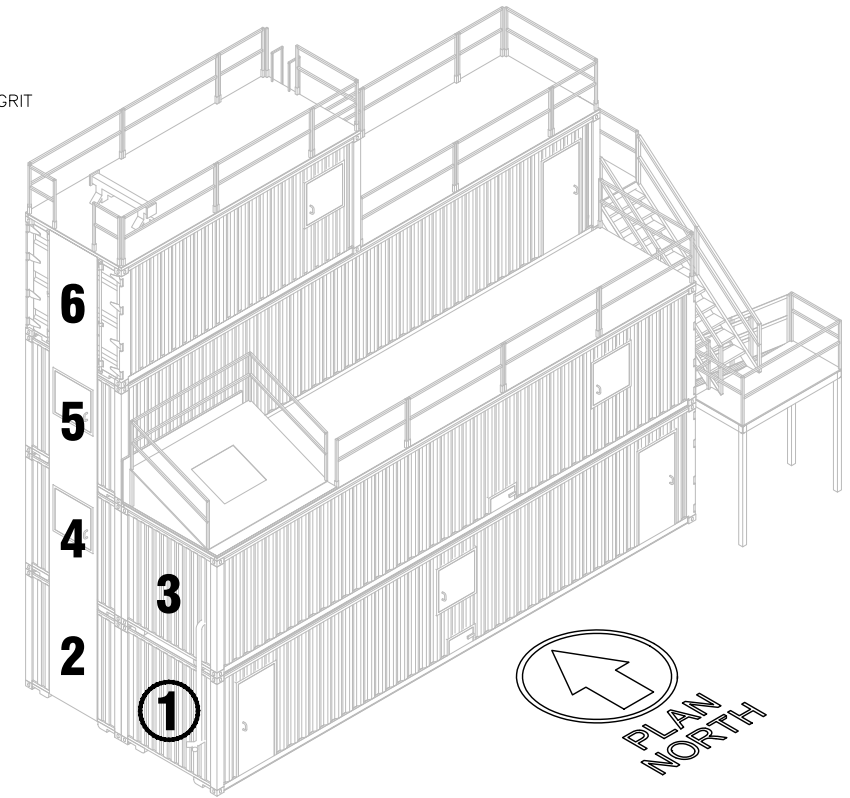
PLAN NORTH ELEVATION VIEW "A-A"
CONTAINER 1 OF 6



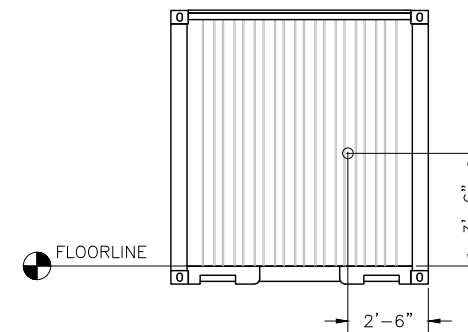
PLAN SOUTH ELEVATION VIEW "B-B"
CONTAINER 1 OF 6

RevNo	Revision note	Date	Signature	Checked
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- = STEEL FLOOR
- = HERCULINED W/GRIT
- = FLOOR KIT



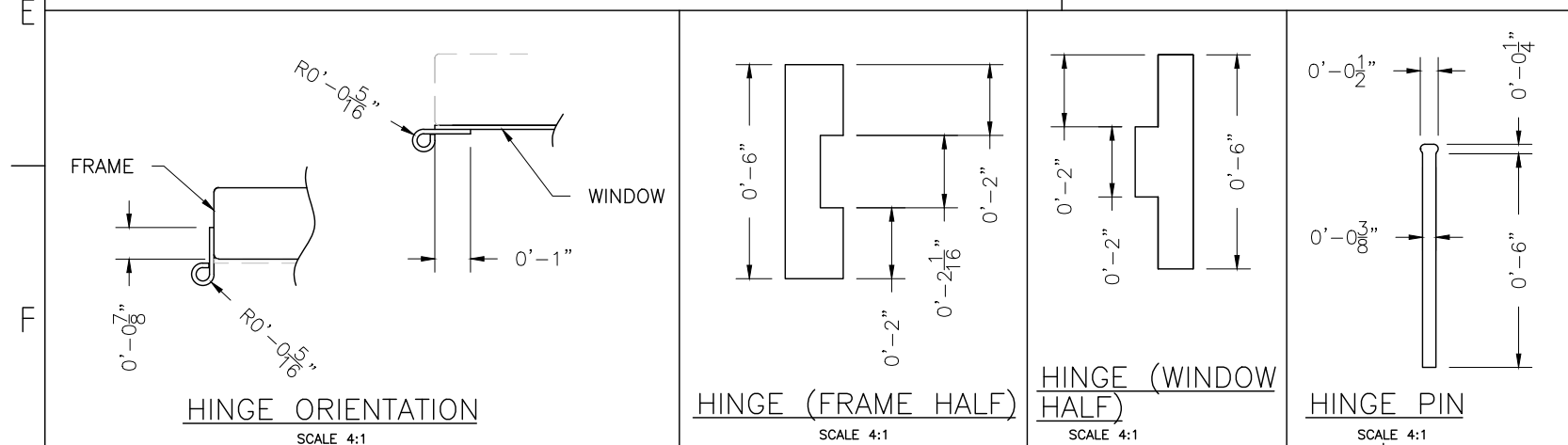
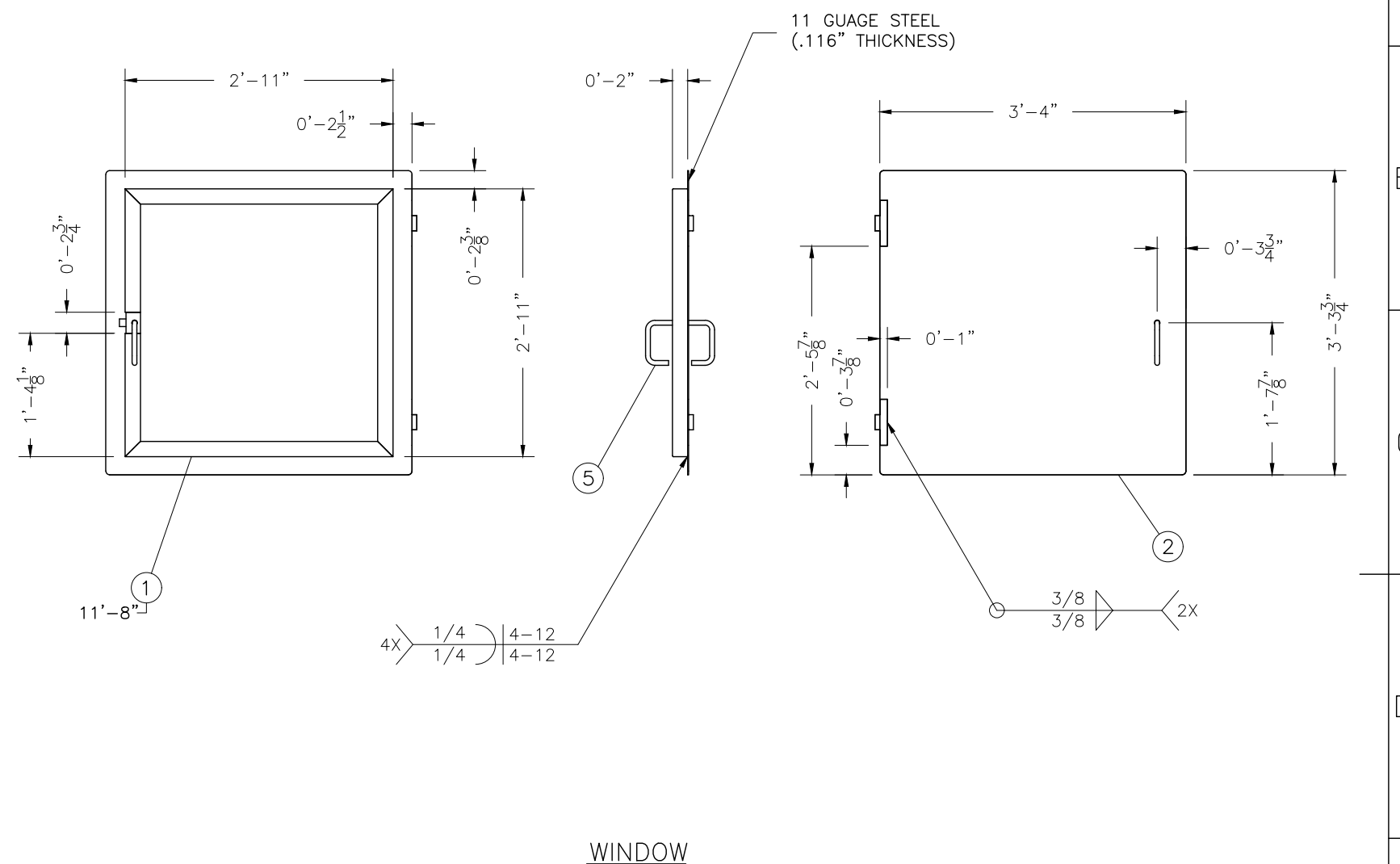
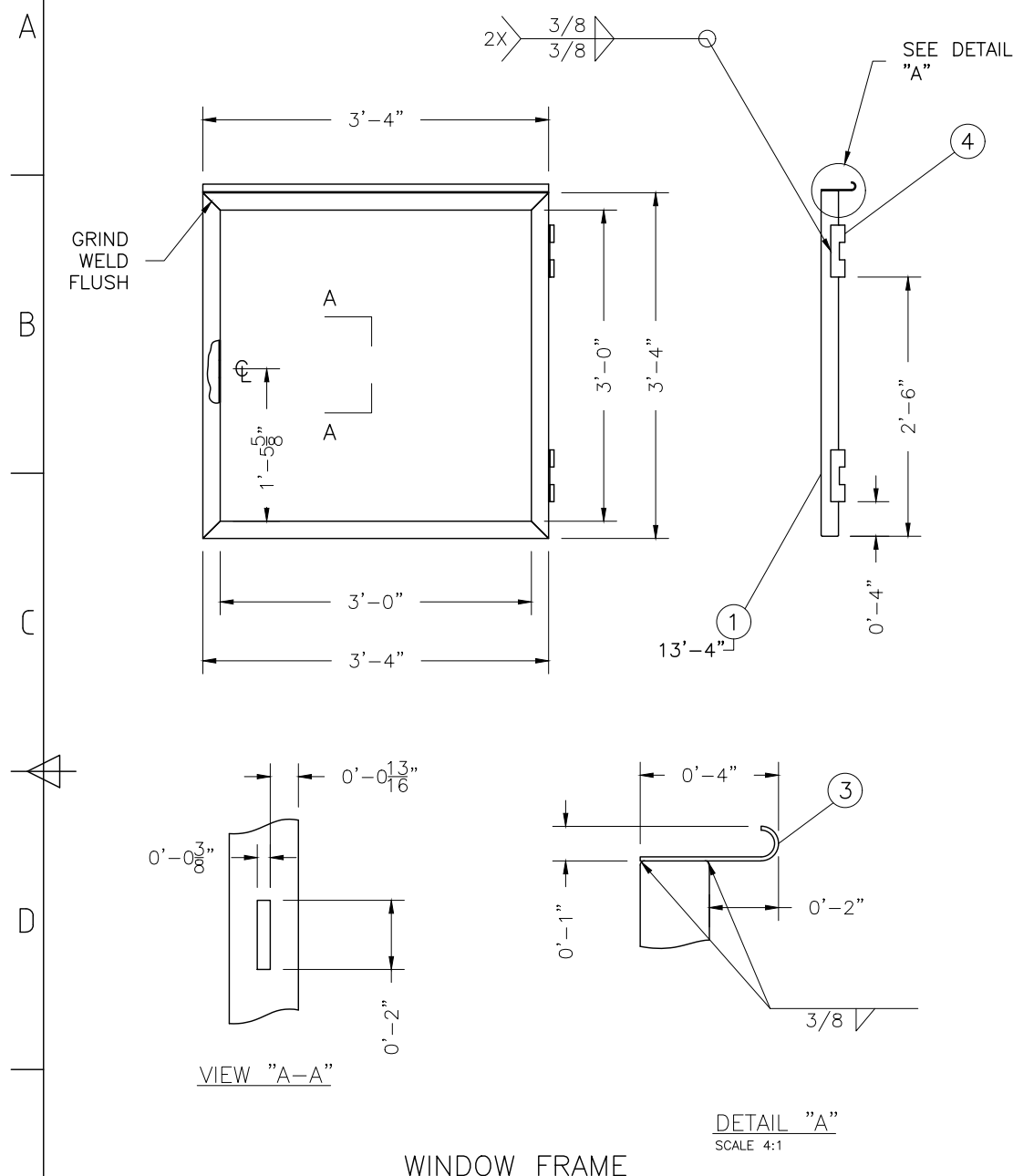
ISOMETRIC VIEW
SCALE=NONE



PLAN EAST ELEVATION VIEW "C-C"
CONTAINER 1 OF 6

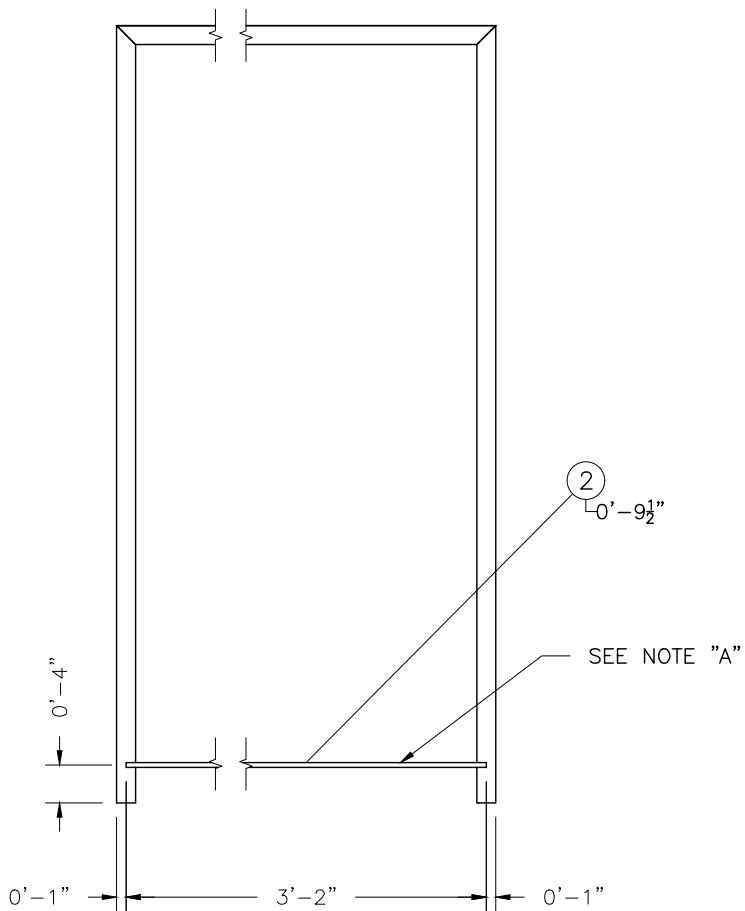
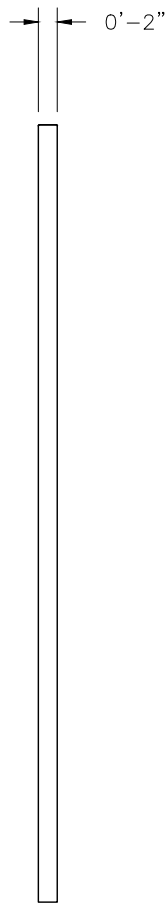
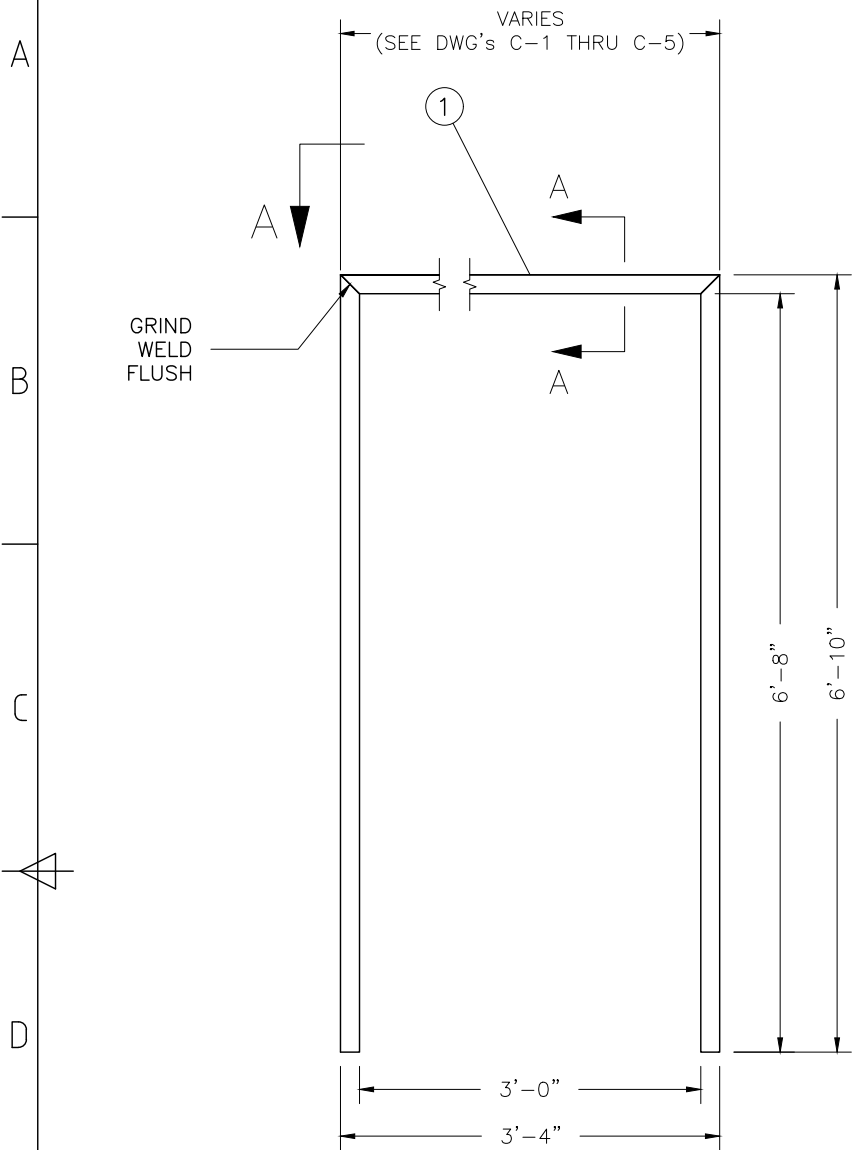
Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by	-	Checked by	-	Approved by - date	File name	Date
-	-	-	-	-	P001208	05-31-23
AFTS			LOCKPORT IL			Scale
			CONTAINER 1 OF 6			AS NOTED
			Edition		Sheet	
			-		C01	

RevNo	Revision note	Date	Signature	Checked
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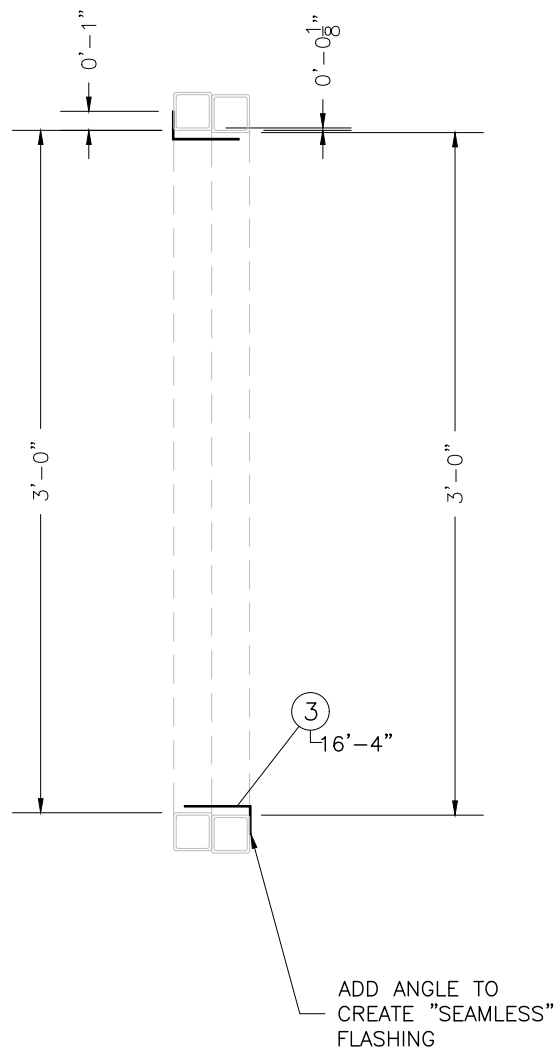


BILL OF MATERIALS		
ITEM #	DESCRIPTION	QUANTITY
1	2" SQUARE TUBING	25'-0"
2	STEEL SHEET-11 GAUGE	3'-4"x3'-4 ³ / ₄ "
3	4"x1" "C" SHAPED PLATE	3'-4"
4	6" HINGE	2
5	HANDLE ASSEMBLY	1

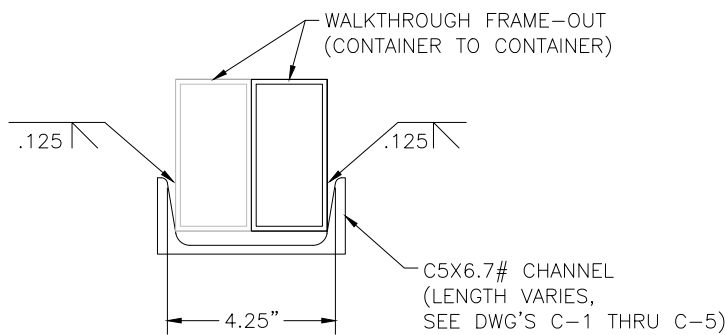
Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by AMA		Checked by AMA	Approved by - date 05-02-09	File name P001208	Date 05-31-23	Scale 1:1
AFTS			LOCKPORT IL			
			36"x.36" STD. WINDOW DETAIL			Edition 1



FABRICATION METHOD



INSTALLATION METHOD



DETAIL "A-A"
SCALE = 4X

NOTE A: TACK WELD A ½"x½" PIECE OF SQUARE TUBING TO BOTTOM OF FRAME TO MAINTAIN SQUARENESS. GRIND OFF AFTER INSTALL.

NOTE B: FOR WIDER WALK-THRU, EXTEND TOP CROSS MEMBER OF FRAME TO APPROPRIATE LENGTH.

BILL OF MATERIALS		
ITEM #	DESCRIPTION	QUANTITY
1	2" (or 2X4) SQUARE TUBING	VARIES
2	½" SQUARE TUBING	- ½"
3	1½X3½" CHANNEL	-

Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by AMA		Checked by AMA	Approved by - date 05-20-09	File name P001208	Date 05-31-23	Scale 1:1
AFTS				LOCKPORT IL		
				WALK-THRU DETAIL		Edition 1 Sheet D0005

A

B

C

D

E

F

A

B

C

D

E

F

1

2

3

4

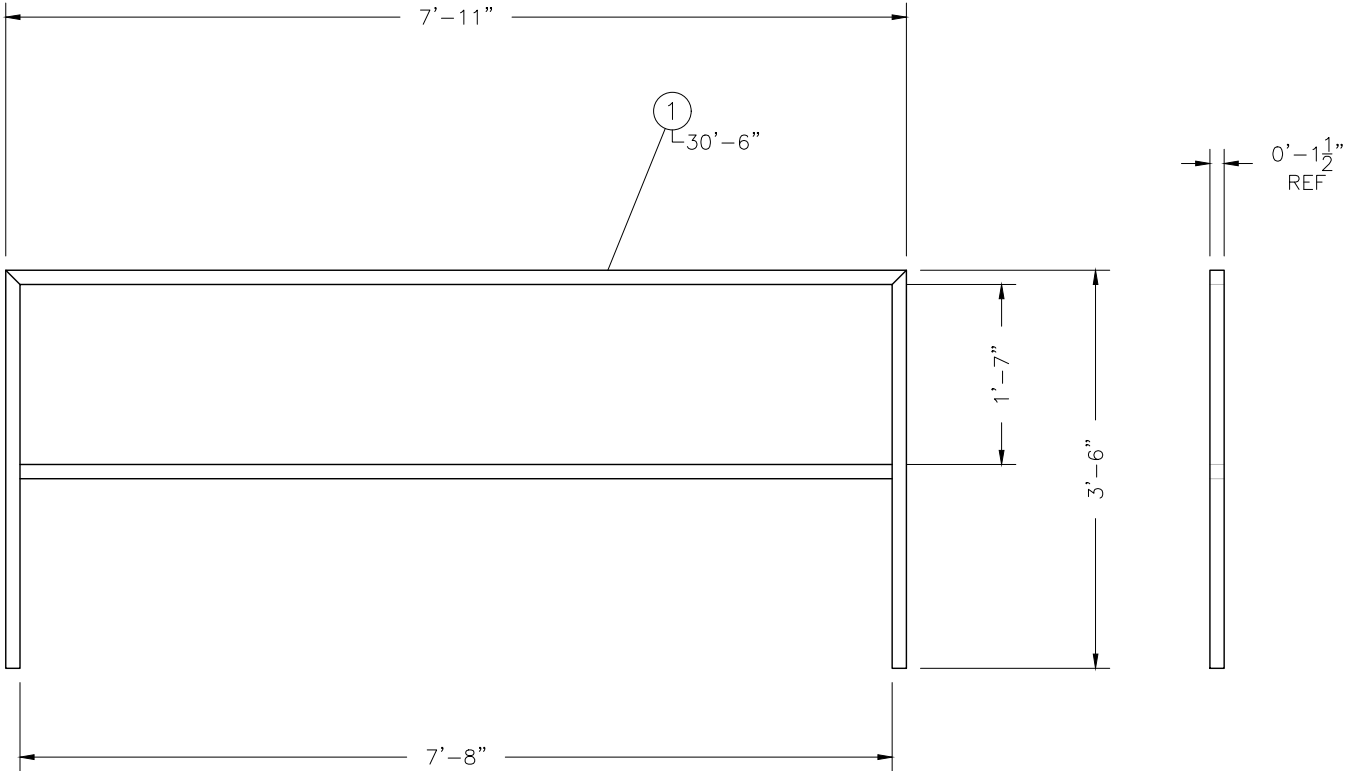
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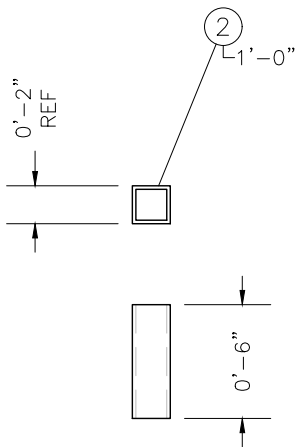
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8

RevNo	Revision note	Date	Signature	Checked
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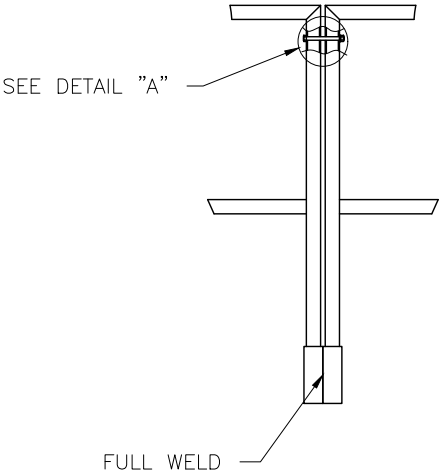


RAILING DETAIL

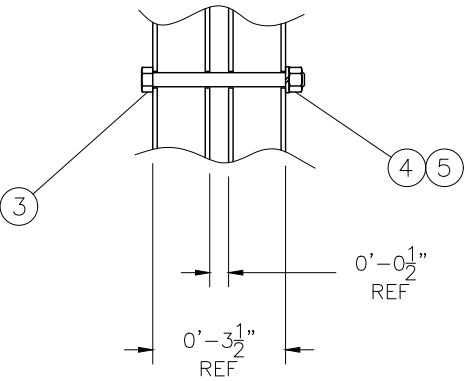


POCKET DETAIL
SCALE 2:1

NOTE A: USE 1 BOLT/WASHER/NUT FOR EVERY RAILING INSTALLED.



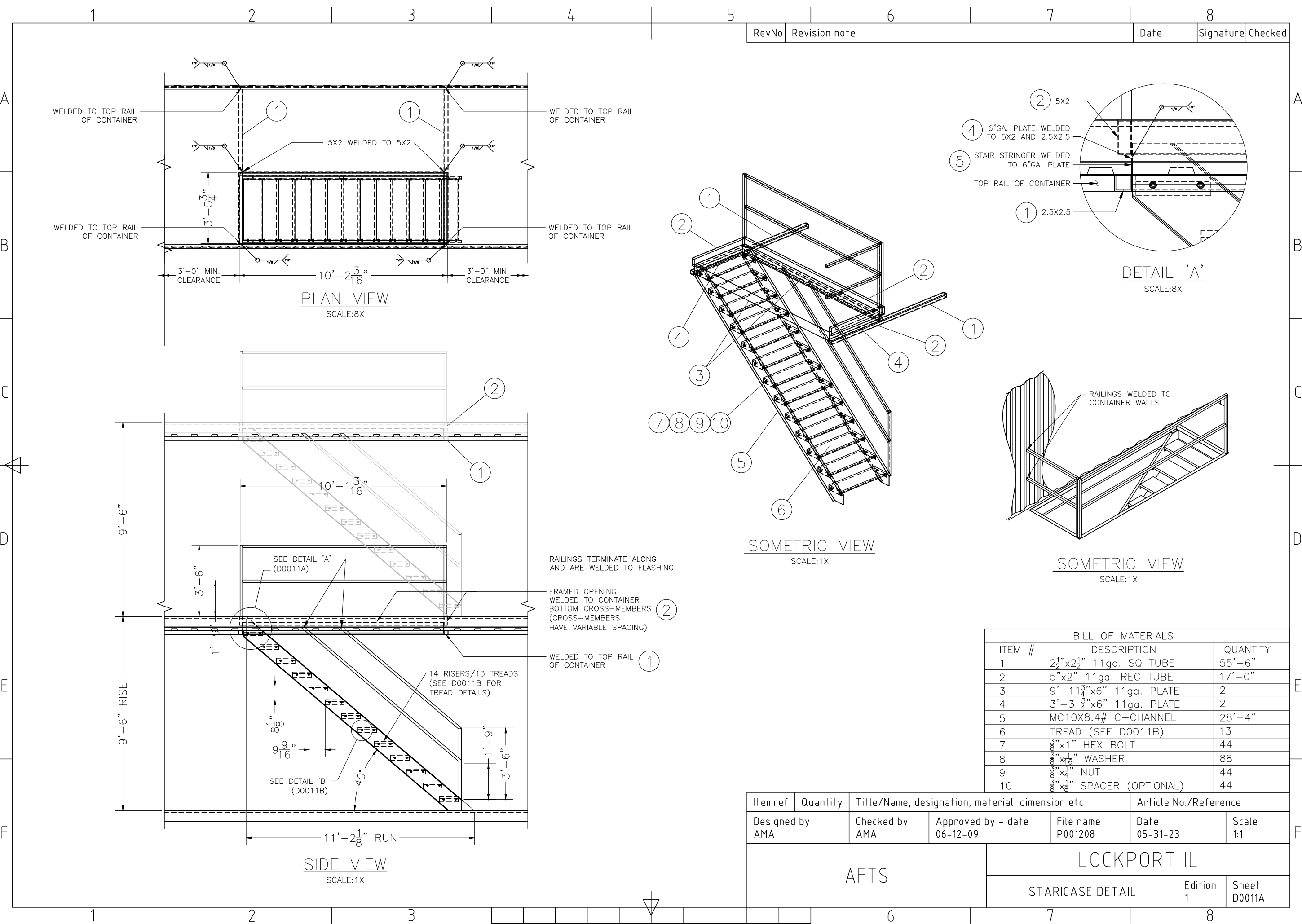
ASSEMBLY DETAIL



DETAIL "A"
SCALE 4:1

BILL OF MATERIALS		
ITEM #	DESCRIPTION	QUANTITY
1	1 1/2"x11Gu. SQ TU	30'-6"
2	2"x1 3/8" SQ TU	1'-0"
3	3/8"x4" HEX HEAD BOLT	NOTE A
4	3/8" HEX NUT	NOTE A
5	3/8" LOCK WASHER	NOTE A

Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by AMA	Checked by AMA	Approved by - date 05-29-09	File name P001208	Date 05-31-23	Scale 1:1	
AFTS			LOCKPORT IL			
			RAILING & POCKET DETAIL	Edition 1	Sheet D0010	



A

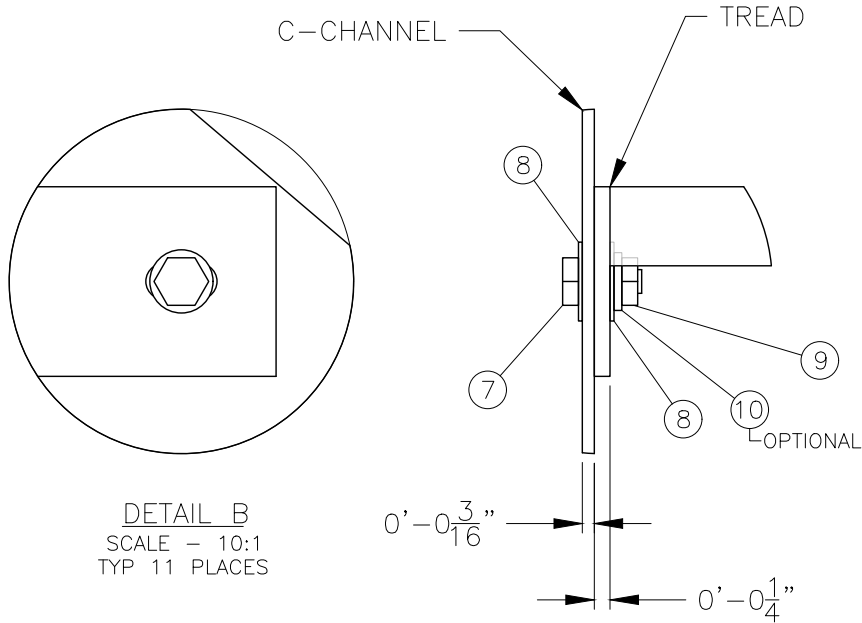
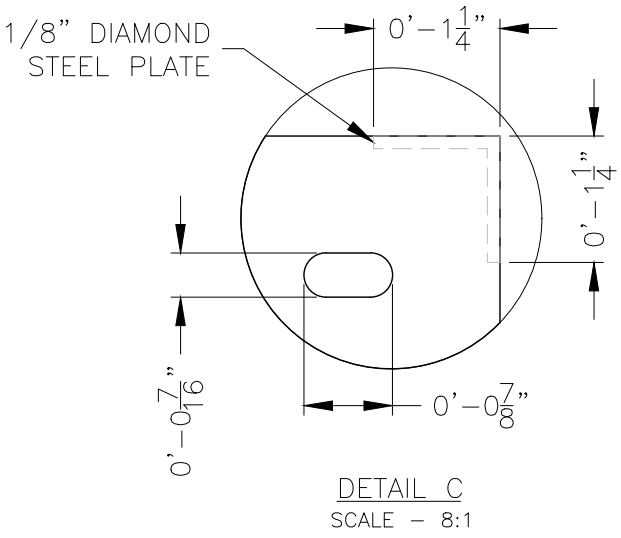
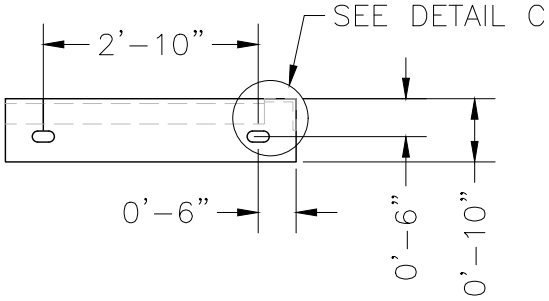
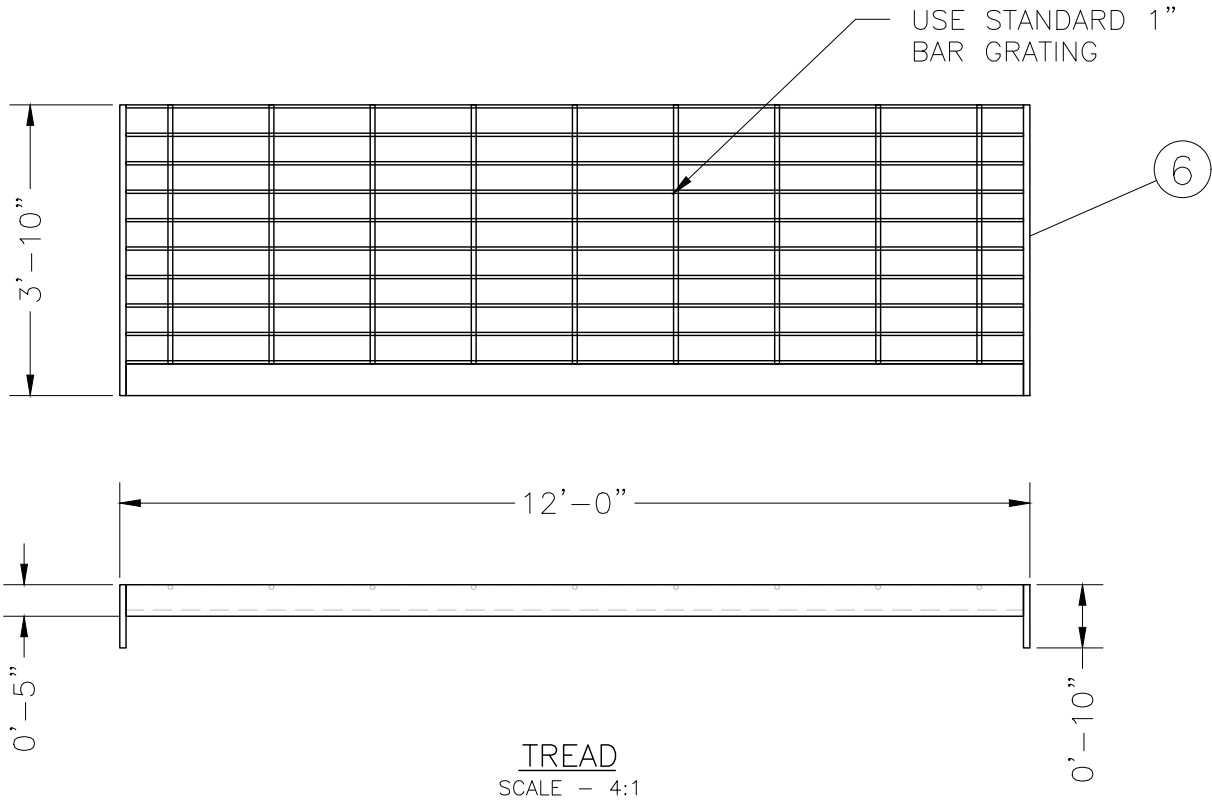
B

C

D

E

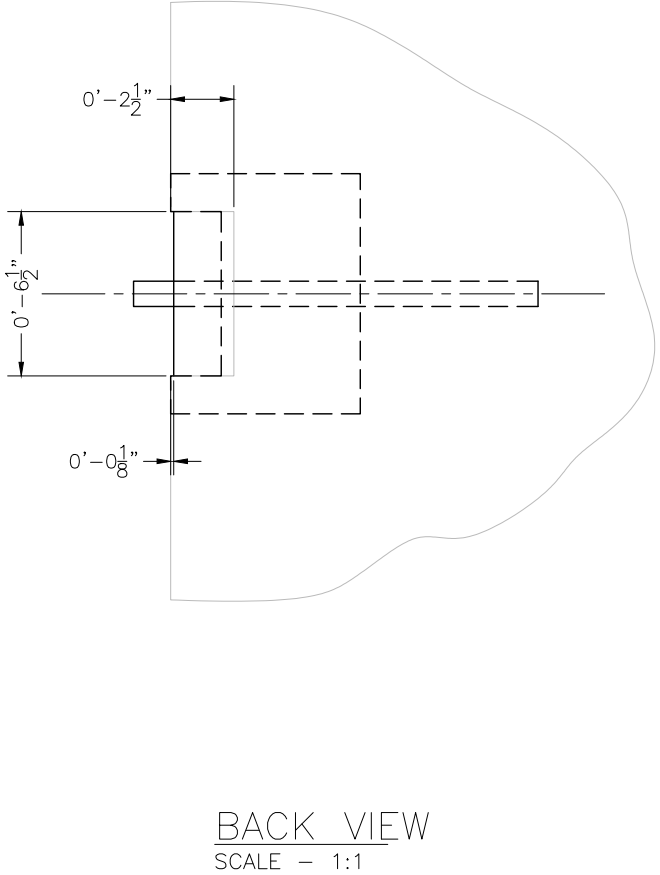
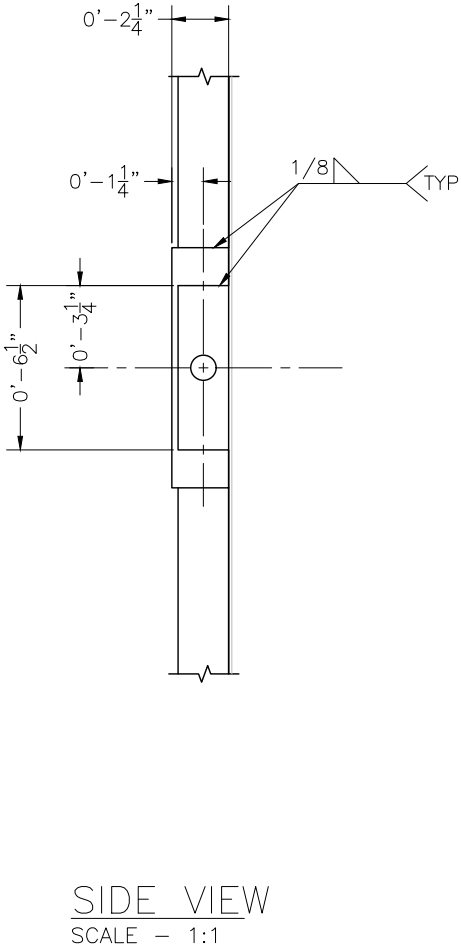
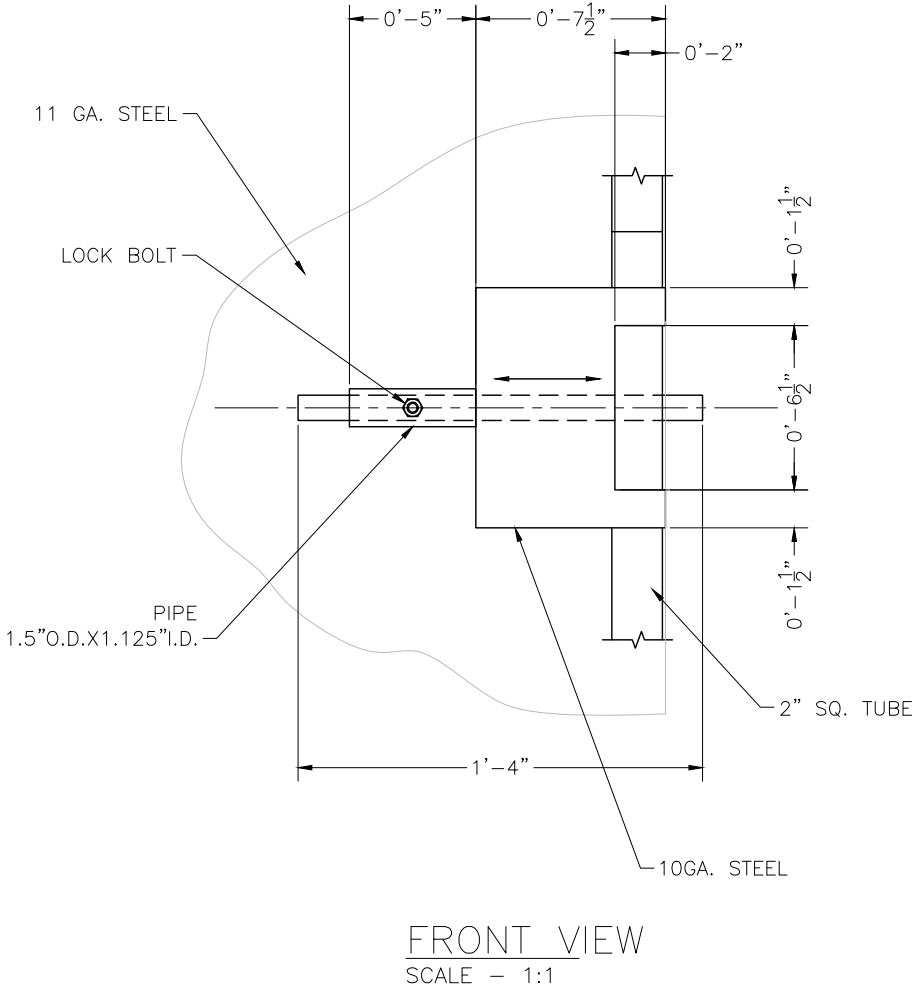
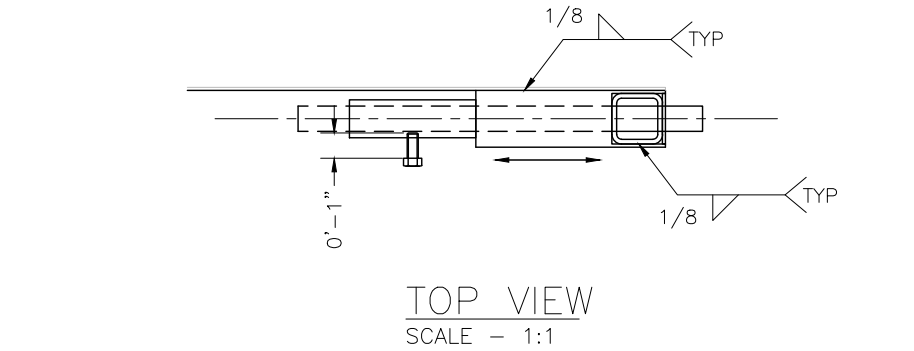
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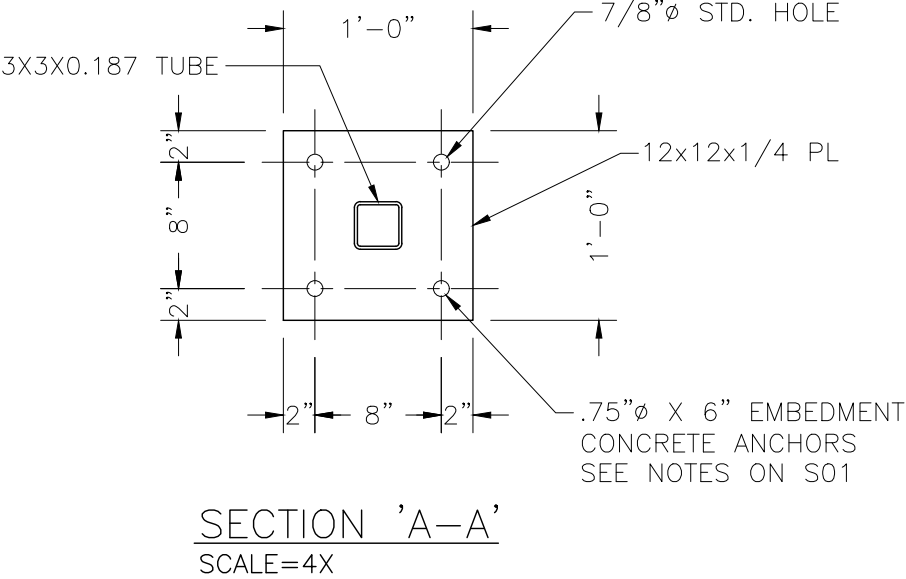
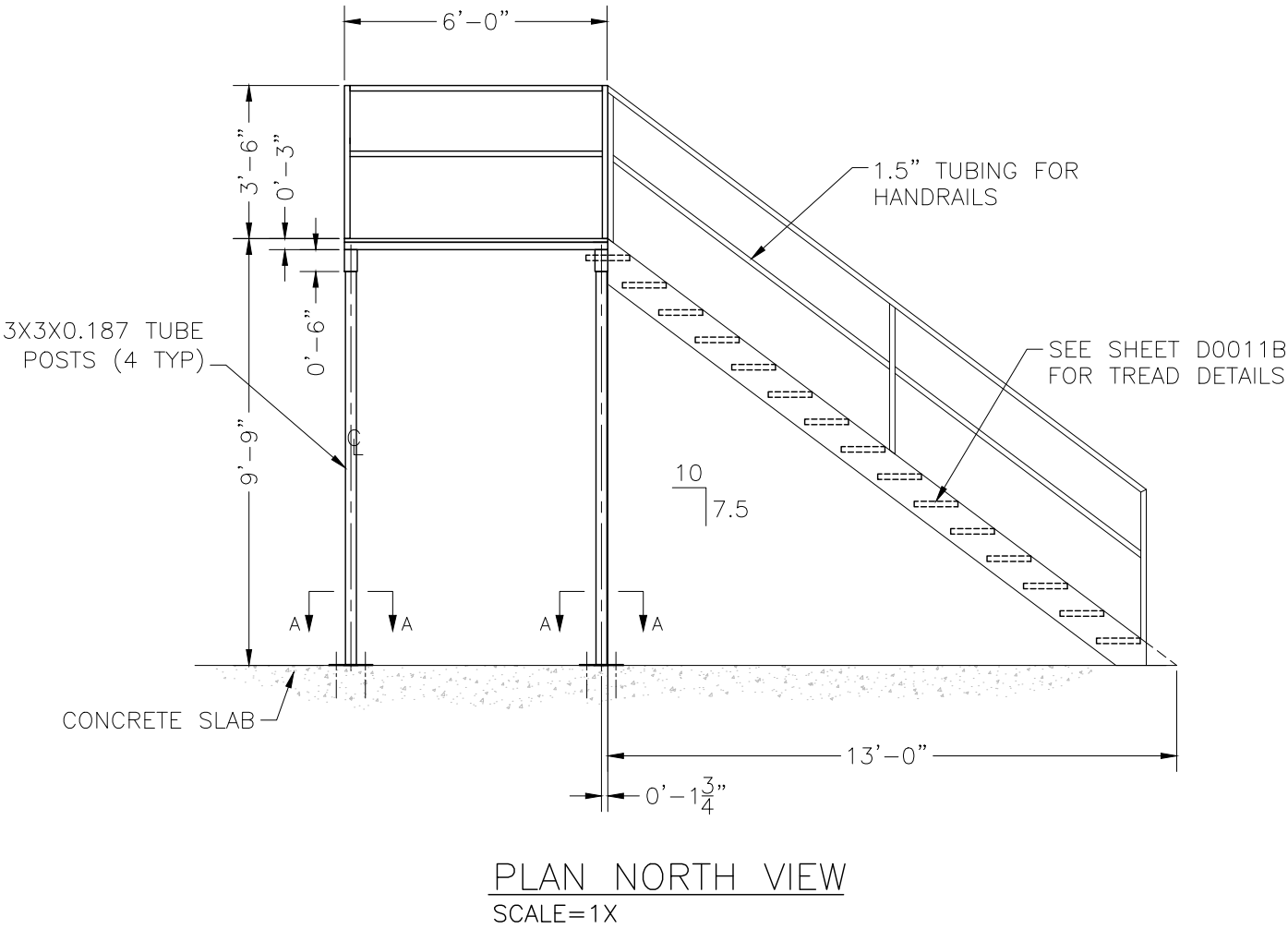
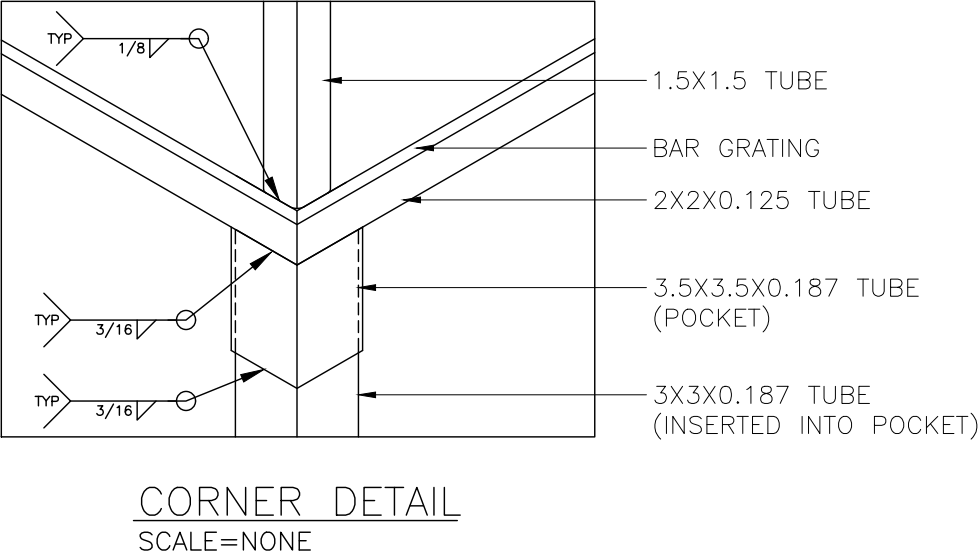
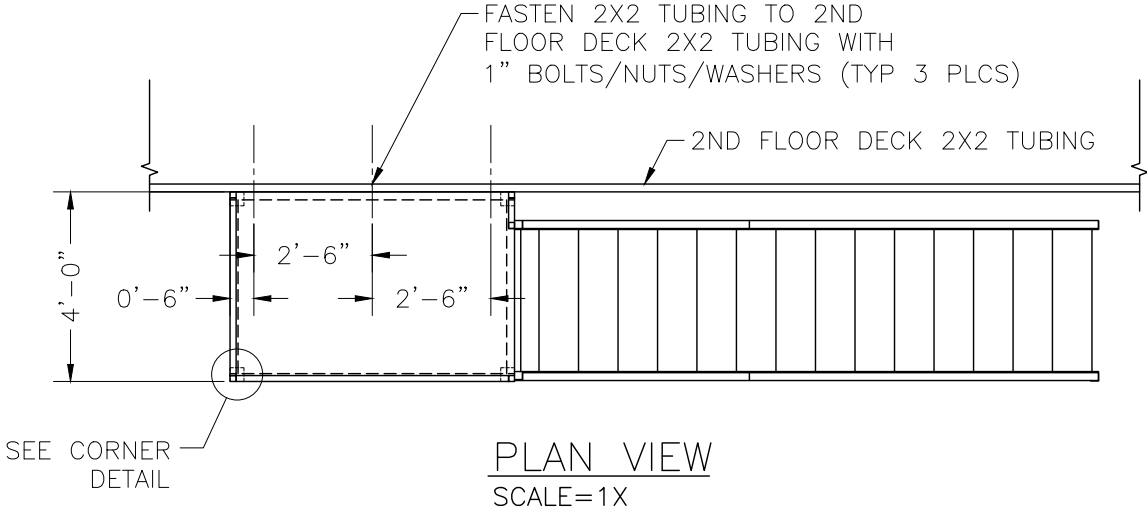
BILL OF MATERIALS		
ITEM #	DESCRIPTION	QUANTITY
1	2 1/2"x2 1/2" 11ga. SQ TUBE	55'-6"
2	5"x2" 11ga. REC TUBE	17'-0"
3	9'-11 3/4"x6" 11ga. PLATE	2
4	3'-3 3/4"x6" 11ga. PLATE	2
5	MC10X8.4# C-CHANNEL	28'-4"
6	TREAD (SEE D0011B)	13
7	3/8"x1" HEX BOLT	44
8	3/8"x1 1/16" WASHER	88
9	3/8"x1/4" NUT	44
10	3/8"x3/8" SPACER (OPTIONAL)	44

Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference		
Designed by AMA		Checked by AMA	Approved by - date 06-12-09	File name P001208	Date 05-31-23	Scale 1:1
AFTS				LOCKPORT IL		
				STAIRCASE DETAIL		Edition 1
				Sheet D0011B		

RevNo	Revision note	Date	Signature	Checked
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Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by AMA	Checked by AMA	Approved by - date 06-12-09	File name P001208	Date 05-31-23	Scale 1:1	
AFTS			LOCKPORT IL			
			FORCED ENTRY BOLT ASSY. DETAIL	Edition 1	Sheet D0016	



Itemref	Quantity	Title/Name, designation, material, dimension etc			Article No./Reference	
Designed by	Checked by	Approved by - date	File name	Date	Scale	
-	-		P001208	05-31-23	NONE	
AMERICAN FIRE TRAINING SYSTEMS			LOCKPORT IL			
			STAIRS (SINGLE OUTER)	Edition 1	Sheet D0018	