



# Custom Vault

The vault experts

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JOB NAME: AAFES  
LOCATION: FT. GORDON, GA  
JOB #: 14746  
DRAWING #: V-10-4746  
P.O. #: N/A

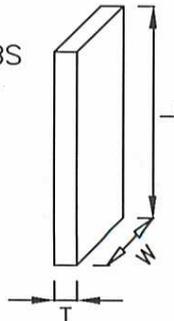
## BILL OF MATERIALS

QTY	DESCRIPTION	WEIGHT
22	GSA AA-V-2737 RATED PANELS @ 8" THICK	45,700 LBS.
10	GSA AA-V-2737 RATED PANELS @ 6" THICK	15,400 LBS.
1	GSA CLASS 5 ARMORY DOOR - SCSL4078 (LHS)	1,250 LBS.
1	BOX(ES) OF SHIMS	25 LBS.
78	ATTACHMENT PLATES	100 LBS.
1	W8 x 24 STEEL BEAM @ 13'-4" (PRIMED)	320 LBS.

TOTAL WEIGHT: 62,795 LBS.

ISSUE	DATE	DESCRIPTION	BY	✓
A	12/16/10	INITIAL ISSUE	ADS	TDS
B	12/28/10	REVISED CEILING THICKNESS; ADDED REBAR DETAILS	ADS	
C	01/10/11	ADDED VAULT LOADING INFORMATION	ADS	

MAXIMUM WEIGHT: 2,710 LBS  
MAXIMUM LENGTH: 8'-6"  
MAXIMUM WIDTH: 36"  
MAXIMUM THICKNESS: 11.5"



- APPROVED AS IS
- APPROVED WITH CHANGES
- REVISE

BY \_\_\_\_\_

DATE \_\_\_\_\_

DRAWING SCALE : 1/4" = 12" , UNLESS NOTED

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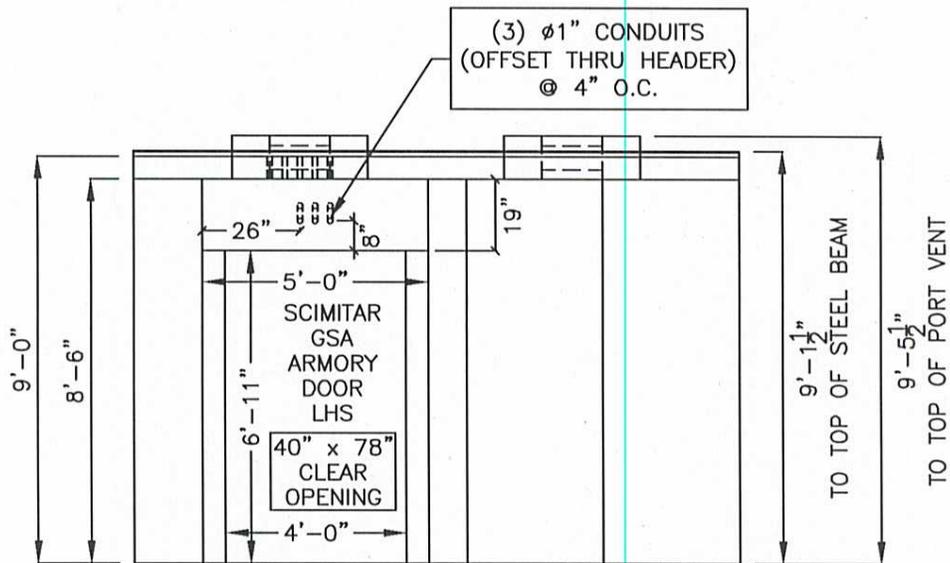
## NOTES:

- 1) All beams, steel angle, flat stock, bolts, etc. to be included if specified in Bill of Materials. "Supplied by others" denotes other than manufacturer.
- 2) Contractor and/or building owner to provide clear access for largest panel shown (i.e. length, width, and thickness).
- 3) Existing slab to be of sound construction and uniform throughout. Slab to be smooth and level.
- 4) Clearance between top of vault and overhead obstructions is to be 12" minimum. In cases where such clearance is not feasible, vault manufacturer must be notified prior to vault fabrication.
- 5) Any additional penetrations into any part of vault system must be approved by vault manufacturer. The penetrations must be integral with the vault panels and specified prior to the manufacture of panels.
- 6) No superimposed dead or live loads to be placed on ceiling without approval from the vault manufacturer.
- 7) On vaults with sides other than modular vault panels, connection interface between panels and customer provided surfaces are the responsibility of others. Recommendations shown may be modified by others as required.
- 8) All grouting of vault doors and door pits to be done by the General Contractor if applicable.
- 9) Panel dead load per S.F.S.A. = 106 ( $\pm 10\%$ ) lbs./ft<sup>2</sup> (G-MMV 8")  
Panel dead load per S.F.S.A. = 80 ( $\pm 10\%$ ) lbs./ft<sup>2</sup> (G-MMV 6")
- 10) Dimensions in parentheses are the actual size of the panel after the tolerance has been taken off. For factory use only.
- 11) See vault door drawing for finished wall and floor interface details. When provided, a Door Data Form must be reviewed, signed, and returned to ensure equipment options are correct.
- 12) Megacrete panels may have uneven finish with fiber protrusions. Care should be taken during installation to prevent abrasions.

INSTALLATION NOTE:  
EACH VAULT WALL PANEL HAS A MIN OF (1) LIFTING ANCHOR  
IN ITS TOP END. USE A DAYTON-SUPERIOR T-12 SWIVEL  
LIFT PLATE WITH A 4 TON RATING AND 3/4"-10 NC GRADE 5  
BOLT  $\Phi$  2 1/2" (MINIMUM) FOR SAFE INSTALLATION.

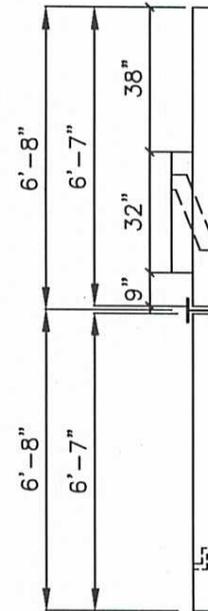
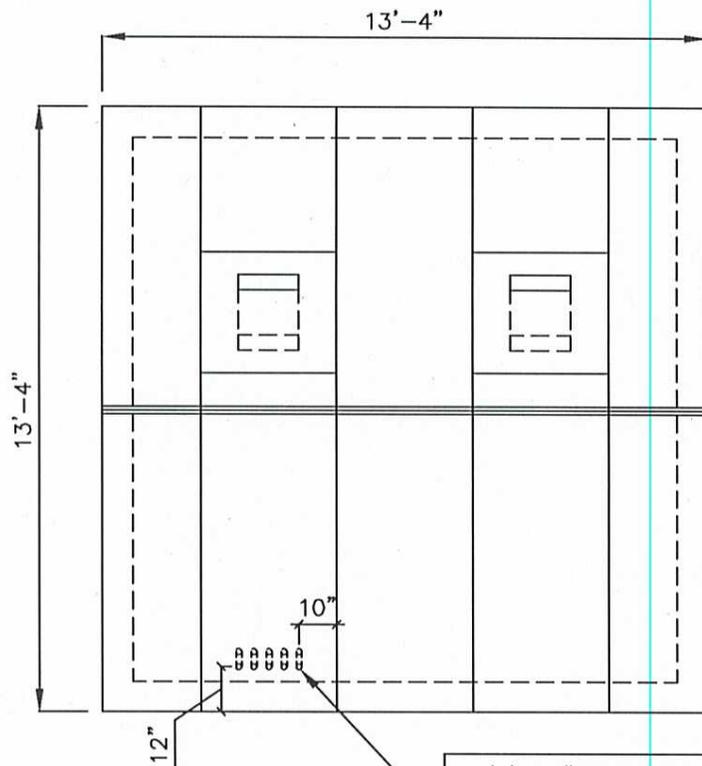
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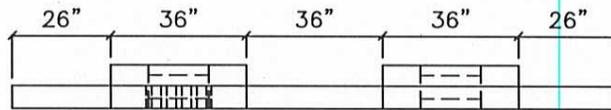


FRONT ELEVATION

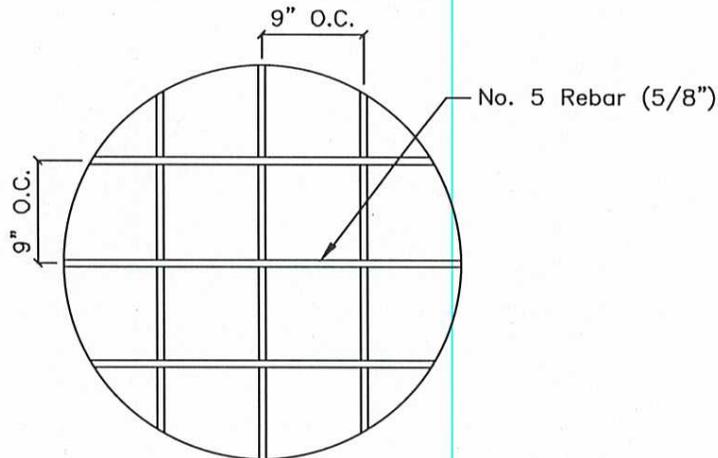
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(5)  $\phi 1$ " CONDUITS  
(OFFSET THRU CEILING)  
@ 4" O.C.

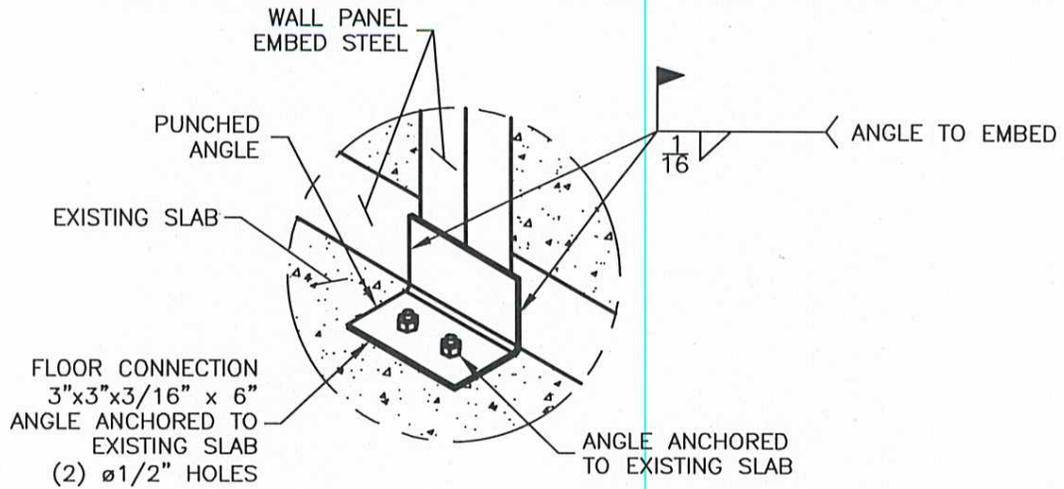


PLAN VIEW - VAULT CEILING



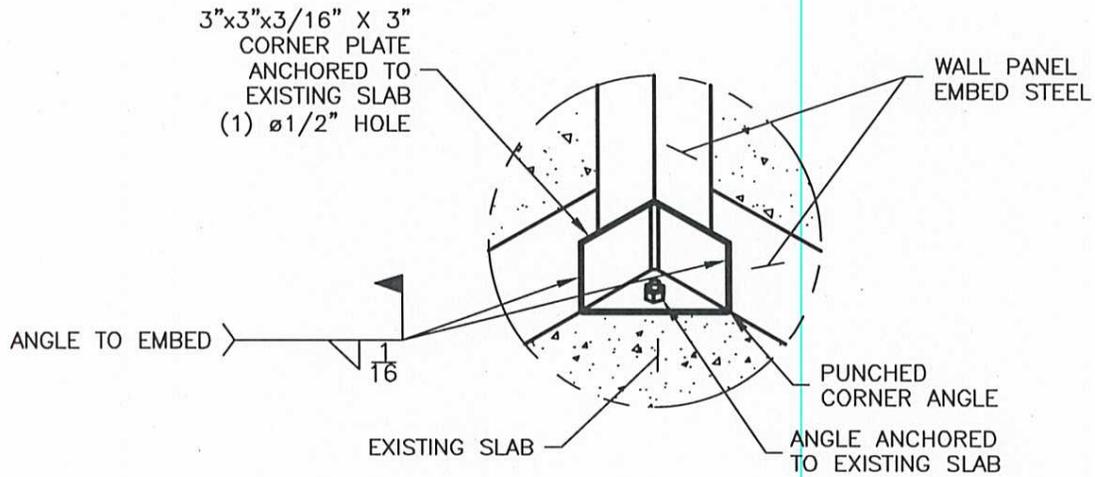
REBAR GRID TO BE CONSTRUCTED  
OF NO. 5 (5/8") REINFORCING BAR  
AT 9" O.C.

6" CEILING REBAR GRID



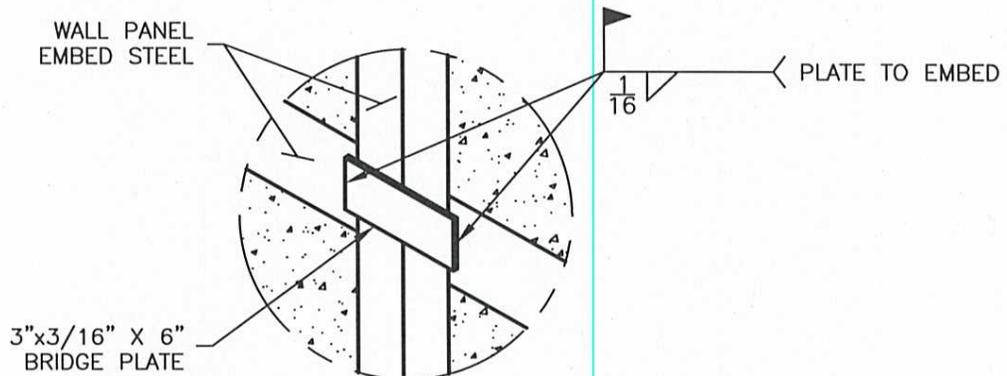
TYPICAL WALL TO FLOOR CONNECTION DETAIL

N.T.S.



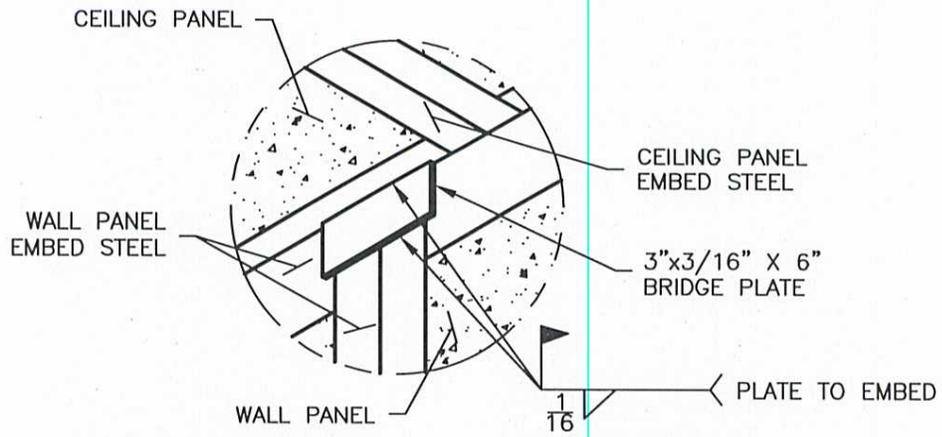
TYPICAL FLOOR CORNER CONNECTION DETAIL

N.T.S.



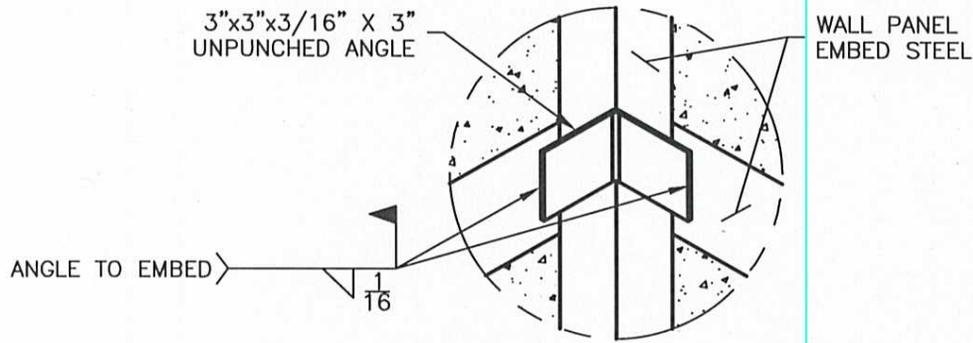
TYPICAL PANEL TO PANEL CONNECTION

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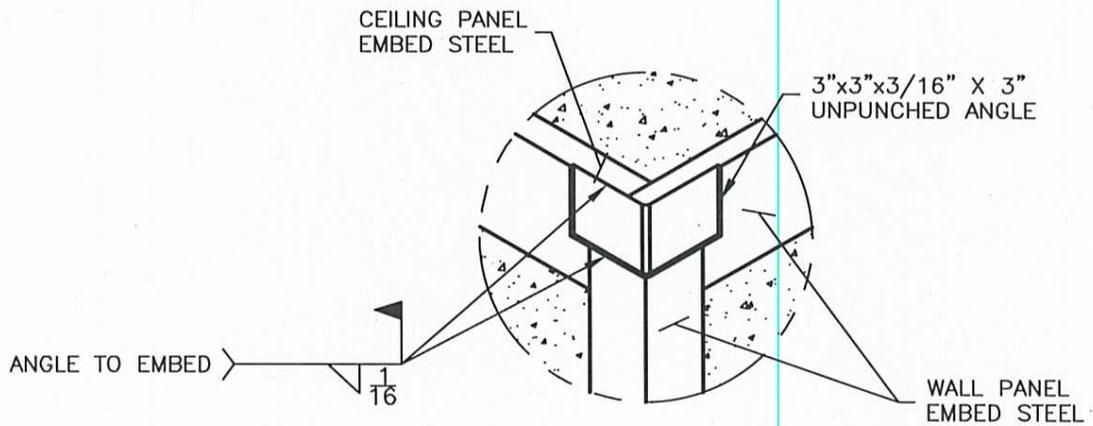
TYPICAL WALL TO CEILING CONNECTION DETAIL

N.T.S.



TYPICAL CORNER WALL CONNECTION DETAIL

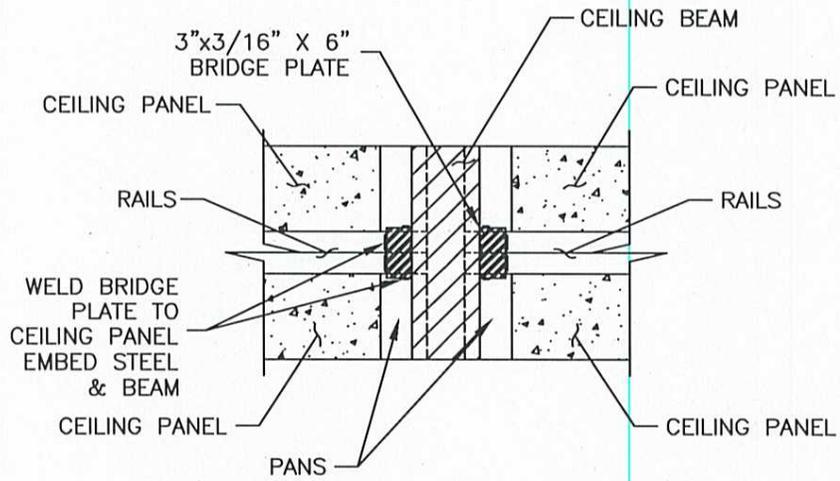
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TYPICAL CEILING CORNER CONNECTION DETAIL

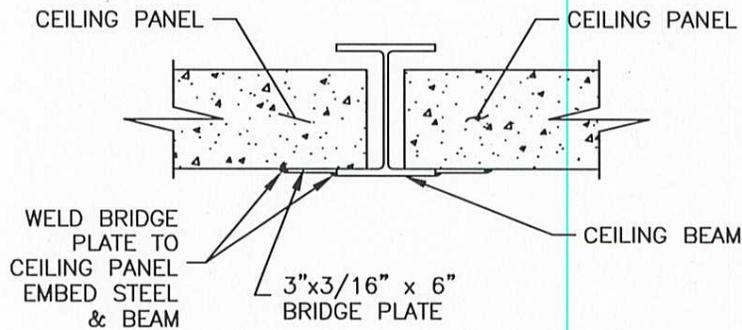
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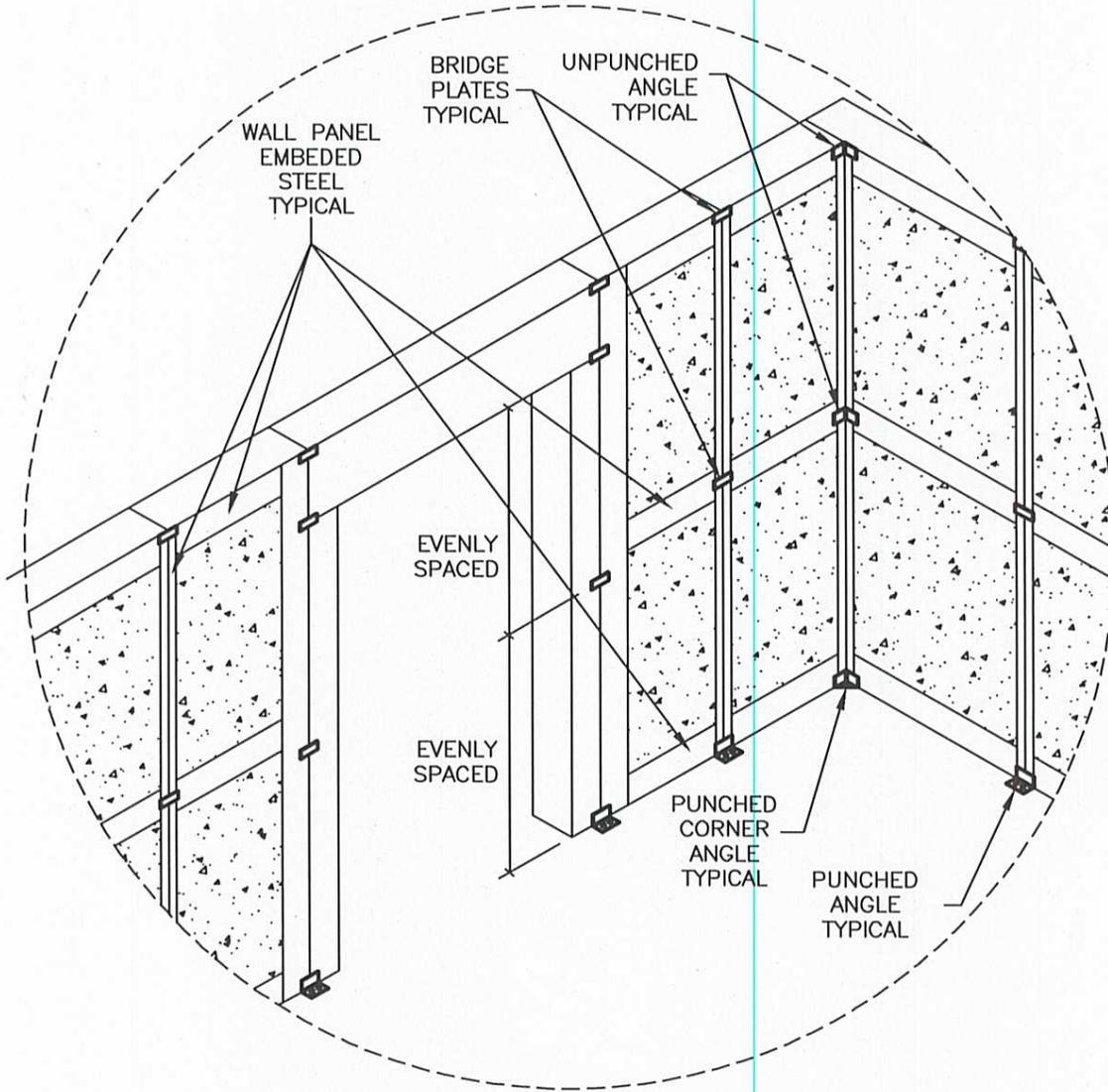
CEILING SUPPORT WELDING DETAIL  
(VIEW FROM INSIDE OF VAULT)

N.T.S.



CEILING SUPPORT WELDING DETAIL

N.T.S.



DOOR CONNECTION DETAIL

N.T.S.

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