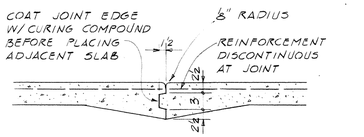
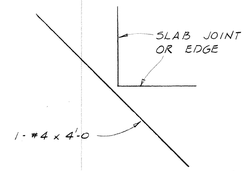
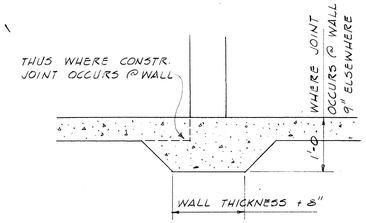


ALLOW 48 HOURS TO ELAPSE AFTER PLACING CONCRETE ON ONE SIDE OF JOINT BEFORE BEGINNING PLACEMENT ON OTHER SIDE. HOWEVER, WHERE SLAB IS TO RECEIVE FLOOR COVERING, METAL JOINT FORM MAY BE USED AND CONCRETE PLACED CONTINUOUSLY ACROSS JOINT.

GRADE SLAB

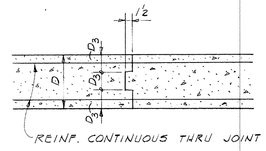


PLAN AT RE-ENTRANT CORNER



THICKENED SLAB

REQUIRED BELOW MASONRY WALLS NOT SUPPORTED BY FOUNDATION BEAMS.

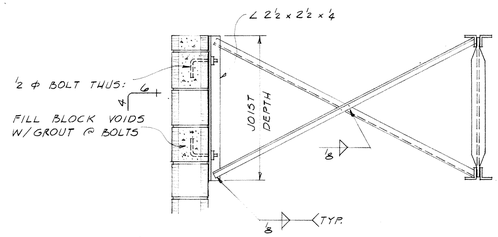


FOUNDATION BEAM CONSTRUCTION JOINT

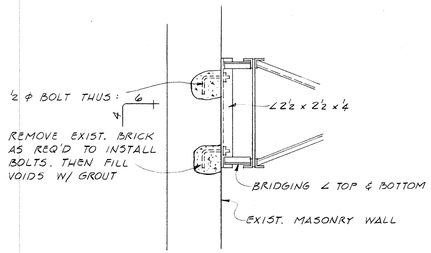
FOUNDATION BEAM JOINTS SHALL **BE MADE AT MIDSPAN.**

SLAB JOINT DETAILS

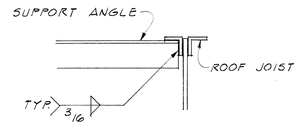
REQUIRED JOINTS ARE NOTED "CJ" ON PLAN OR ARE OTHERWISE INDICATED. LOCATIONS OF OTHER JOINTS MUST BE APPROVED BY THE **CONTRACTING OFFICER**



@ NEW WALL



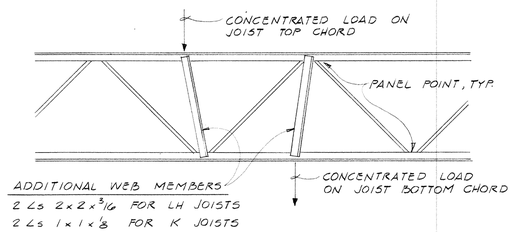
@ EXISTING WALL



CONNECTION - SUPPORT ANGLE TO ROOF JOIST

NOTE : AT CENTER ROW OF BRIDGING FOR LH JOISTS PROVIDE BOLTED CONNECTIONS FOR ENDS AND INTERSECTIONS OF BRIDGING INSTEAD OF WELDED CONNECTIONS SHOWN.

ANCHORAGE @ BRIDGING ENDS



JOIST REINFORCEMENT DETAIL

NOTE: JOIST CHORDS ARE NOT DESIGNED FOR CONCENTRATED LOADS. WHERE CONCENTRATED LOADS OCCUR THAT EXCEED 50 POUNDS, EITHER PLACE THEM AT PANEL POINTS OR WELD AN ADDITIONAL WEB MEMBER FROM THE POINT OF THE LOAD TO THE NEAREST PANEL POINT ON THE OPPOSITE CHORD.

STRUCTURAL NOTES

GENERAL

1. Structural elevations are given from floor level elevation 0'-0.
2. Slope surfaces uniformly between surface elevations shown unless indicated otherwise.
3. Verify dimensions dependent on mechanical or other equipment with the manufacturer of the equipment furnished.
4. Design live loads: Floor . . . . . 500 psf
   Roof . . . . . 20 psf.
5. Design foundation pier bearing pressure: 16000 psf.

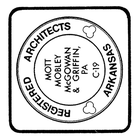
CAST-IN-PLACE CONCRETE

1. Concrete in section is indicated thus:
2. Concrete compressive strength @ 28 days: 3500 psi.
3. Concrete slump: 4" with tolerance of -1" and +1/2".
4. Maximum concrete aggregate size: 3/4" for walls and all pumped concrete; 1 1/2" elsewhere.
5. Use air-entraining admixture as specified in all exterior exposed concrete. Use high-range water-reducing admixture as specified in all concrete except that in footings, foundation piers and foundation beams. See specifications for other admixture requirements.
6. Reinforcing bars: ASTM A615 (S1), Grade 60.
7. Welded wire fabric: ASTM A185. Furnish in flat sheets. Lap 6" minimum at splices.
8. Bar lengths shown on the Drawings are net lengths after bending and do not include allowance for hooks or other bends.
9. Hooks are standard 90° unless shown otherwise.
10. All horizontal reinforcement is continuous unless shown otherwise. Splices may be made where convenient. Lap bars at splices as required by the lap splice schedule. Terminate bars at ends of beams and walls as detailed.
11. Unless shown otherwise concrete cover over reinforcement shall be as follows: 3" where concrete is placed against earth
    3/4" for reinforcement in slabs
    1 1/2" elsewhere.
12. Do not use earth as side form for foundation beams or walls.
13. Reinforce slabs on drainage fill with 6 x 6 - W1.4 x W1.4 WWF placed 1" clear from top of slab.
14. Install vapor barrier over drainage fill before placing slabs supported thereon.
15. Keyways shown are 1 1/2" x 3 1/2" continuous unless indicated otherwise.
16. Tool exposed top edges of beams and slabs to 1/8" radius.
17. Consolidate all concrete by mechanical vibration.
18. Consult architectural and mechanical drawings for locations and sizes of openings thru concrete walls and slabs.

STRUCTURAL STEEL

1. Structural steel: ASTM A36.
2. Bolts: ASTM A307 or equivalent.
3. Welding electrodes: AWS A5.1, E7018.
4. Bolts, welds and connection pieces shown on one side or flange of a symmetrical member occur on both sides or flanges unless indicated otherwise.
5. Field welding is not distinguished from shop welding but shall be used when necessary or convenient.

MM MG
Mott Mobley McGowan & Griffin, P.A.: Architects
302 North Sixth Street Fort Smith, Arkansas 72901



CONTRACT NO. DAHA03 - 87 - C - 0007

PROJECT NO. FSM-40997

ADD./ALTER AVIONICS/ECM POD SHOP/STORAGE

AIR NATIONAL GUARD TRAINING FACILITY
MUNICIPAL AIRPORT - FT. SMITH, ARKANSAS

DETAILS

Revisions

1357 Plan Number

11-16-88 Date

S1.3 of 28

BRUNING 40-27 85201