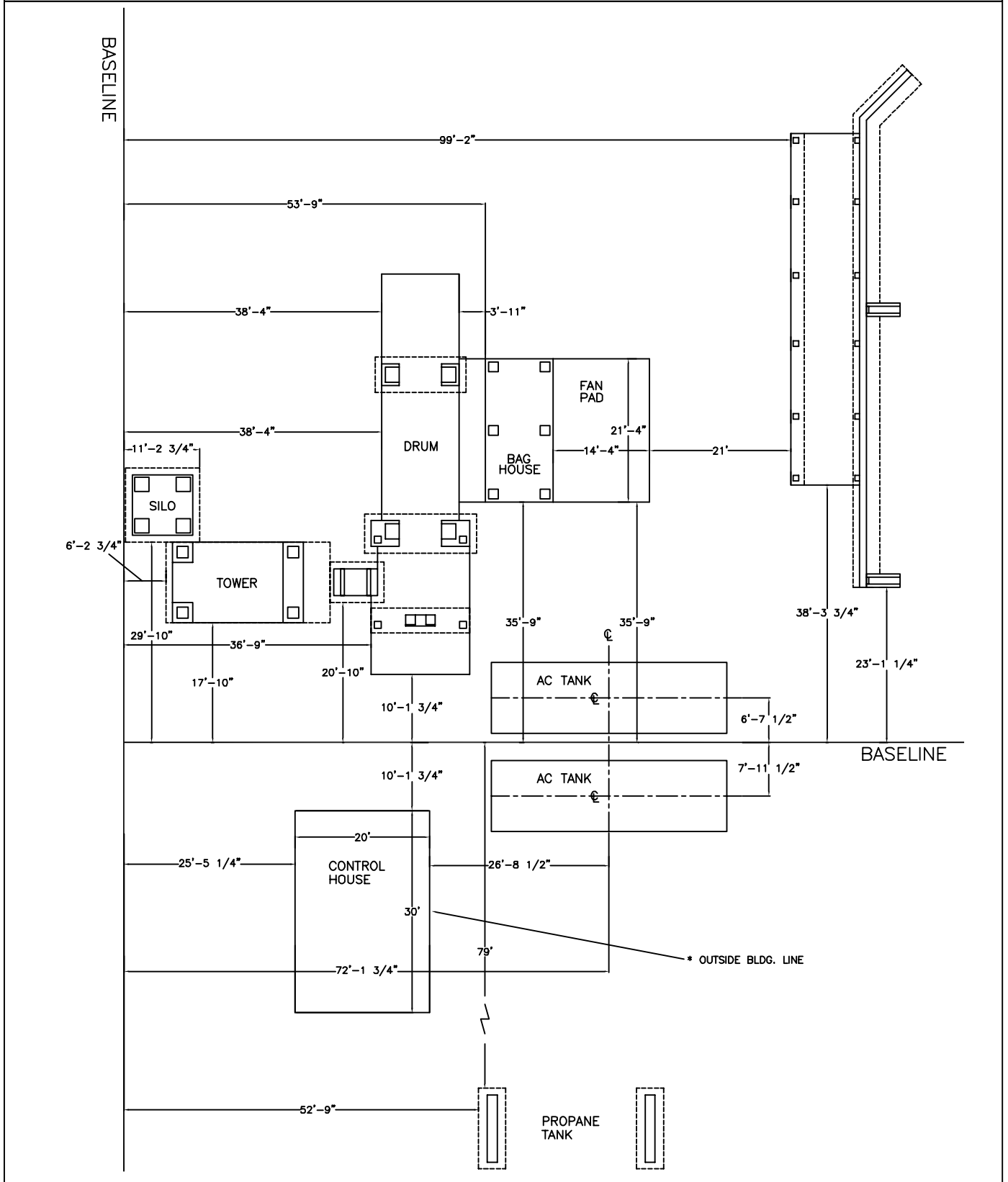


# ASPHALT PLANT LAYOUT

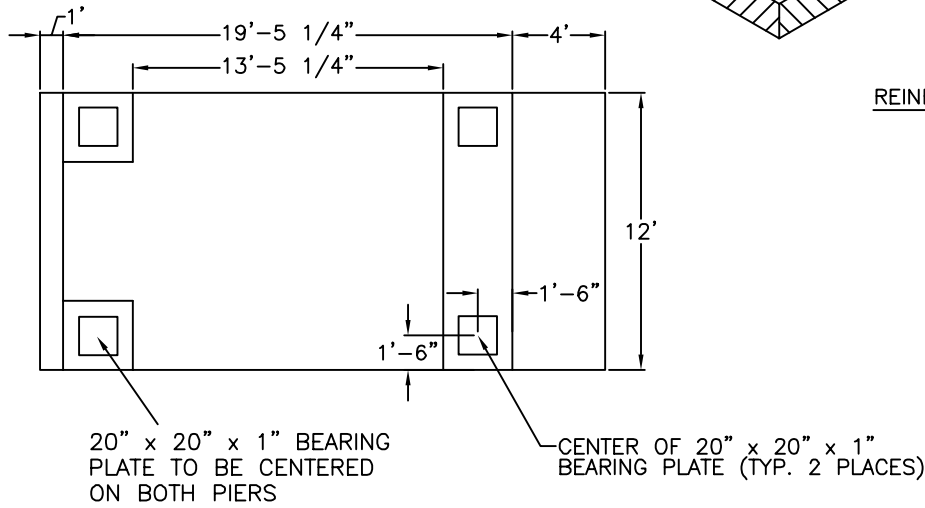
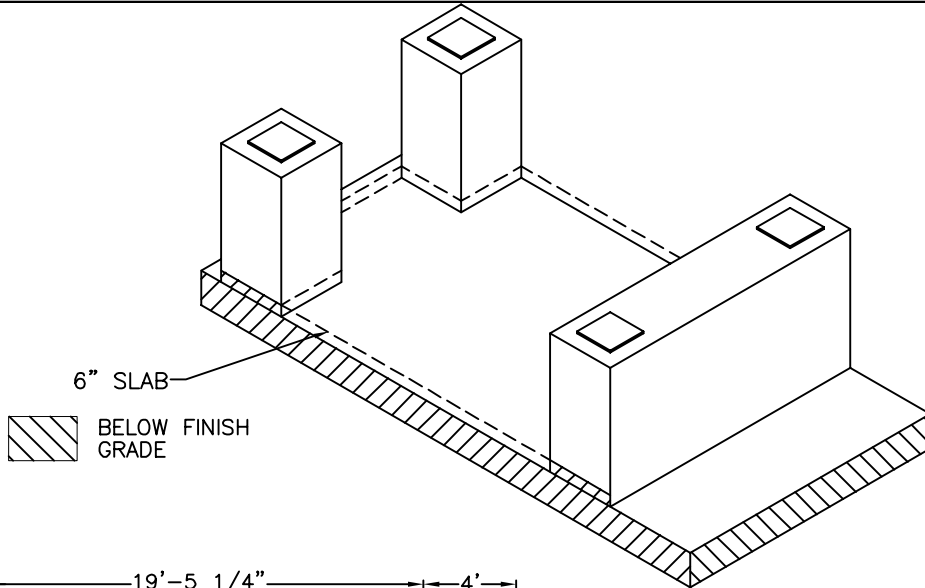
## FOOTER PLAN





# ASPHALT PLANT LAYOUT

## TOWER



TOP VIEW

REINFORCING:

FOOTERS:

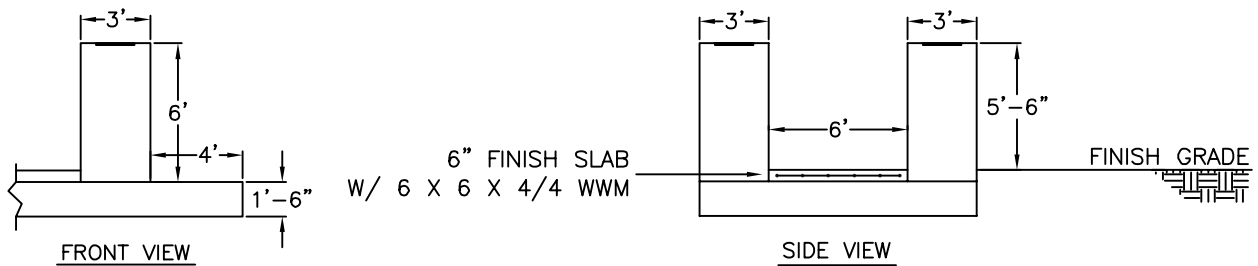
2 MATS #6 REBAR  
9" OC EW

PIERS:

3 VERTICAL MATS  
#6 REBAR 9" OC EW  
HORIZONTAL BAND 18" OC

SLAB:

6 x 6 x 4/4 WWM MAT

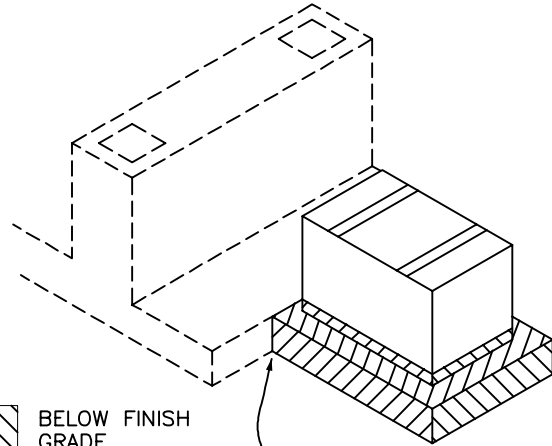
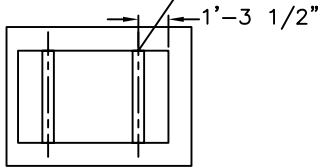


- \* ELEVATION REFERENCES ASSUME FINISH GRADE AT 0'-0"
- \* VERIFY ALL DIMENSIONS PER EQUIPMENT ON SITE BEFORE CONSTRUCTION

# ASPHALT PLANT LAYOUT

## ELEVATOR

CENTER LINE OF 4' x 6"  
BEARING PLATE (TYP. 2 PLACES)



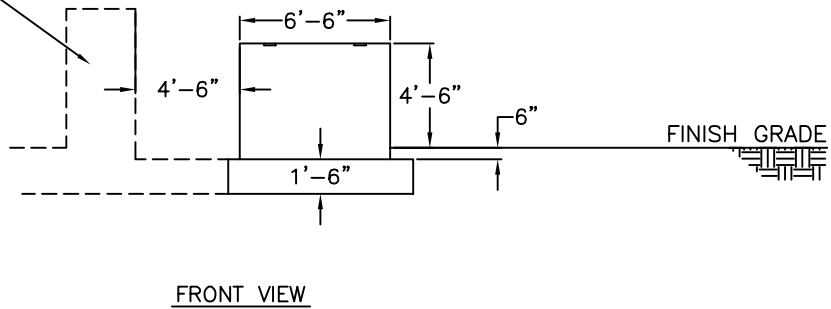
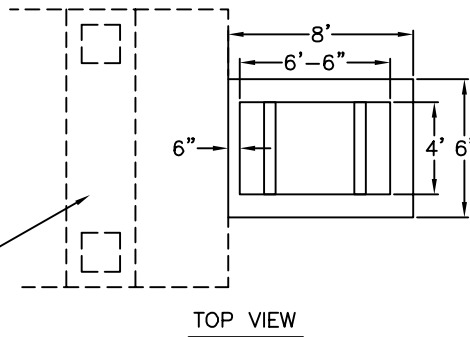
PIER REINFORCING:  
REINFORCING CAGE WITH 4 VERTICAL MATS  
OF #5 REBAR 1' OC EW

FOOTER REINFORCING:  
2 MATS OF #6 REBAR  
1' OC EW

BELOW FINISH GRADE

POUR MONOLITHIC  
WITH TOWER FOOTER

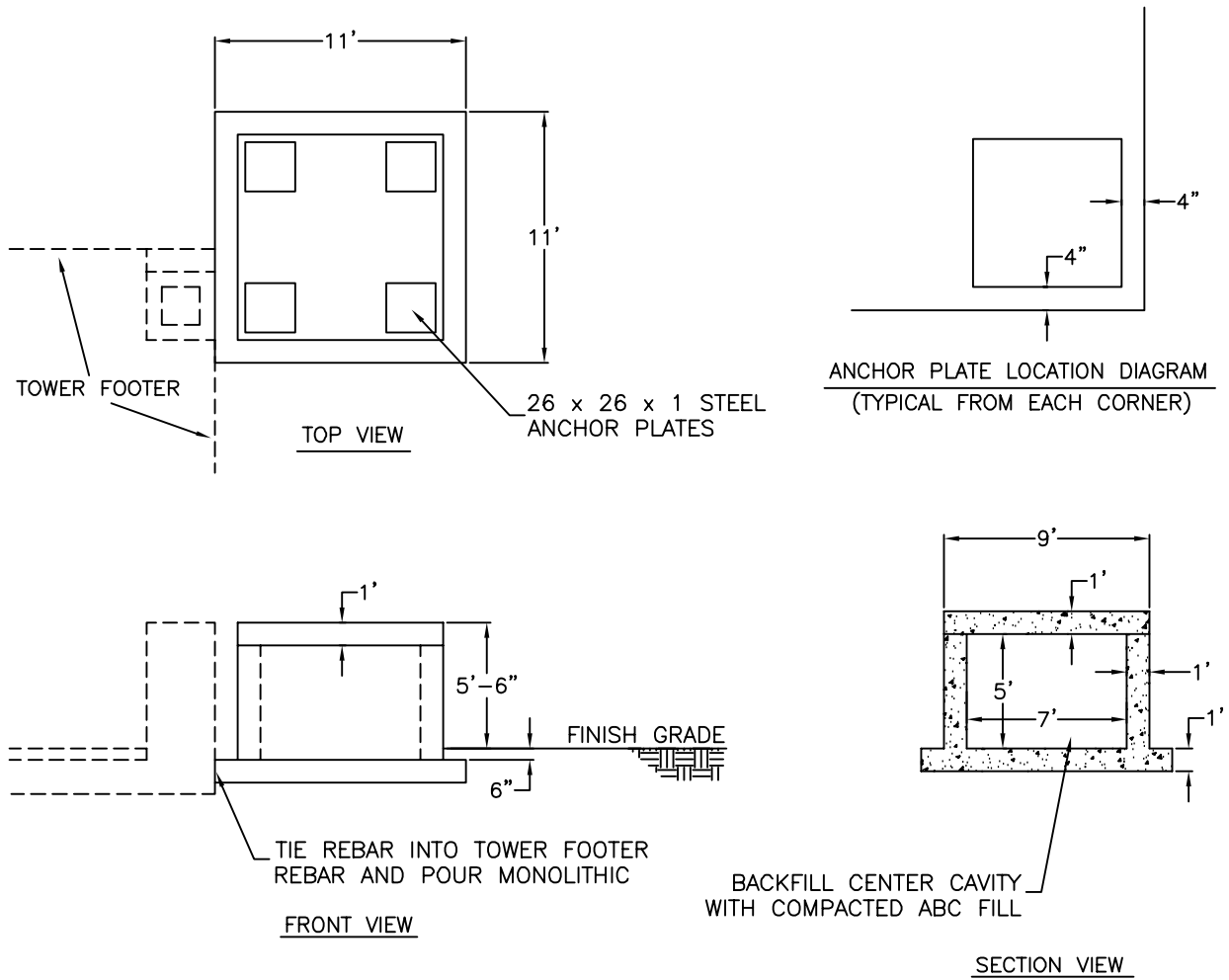
TIE INTO TOWER  
FOOTER



- \* ELEVATION REFERENCES ASSUME FINISH GRADE AT 0'-0"
- \* VERIFY ALL DIMENSIONS PER EQUIPMENT ON SITE BEFORE CONSTRUCTION

# ASPHALT PLANT LAYOUT

## MINERAL FILL SILO FOUNDATION & SUPPORTS



CAP REINFORCING:

2 MATS OF #5 REBAR 1' OC EW

ALL VERTICAL REBAR FOR WALL SHALL EXTEND THRU TOP OF WALL POUR AND BE BENT INTO BOTTOM REINFORCING MAT FOR STRUCTURAL SLAB

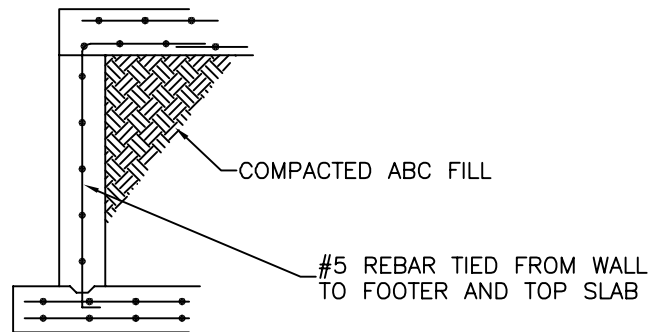
WALL REINFORCING:

1 MAT OF #5 REBAR 1' OC EW

FOOTER REINFORCING:

2 MATS OF #5 REBAR 1' OC EW

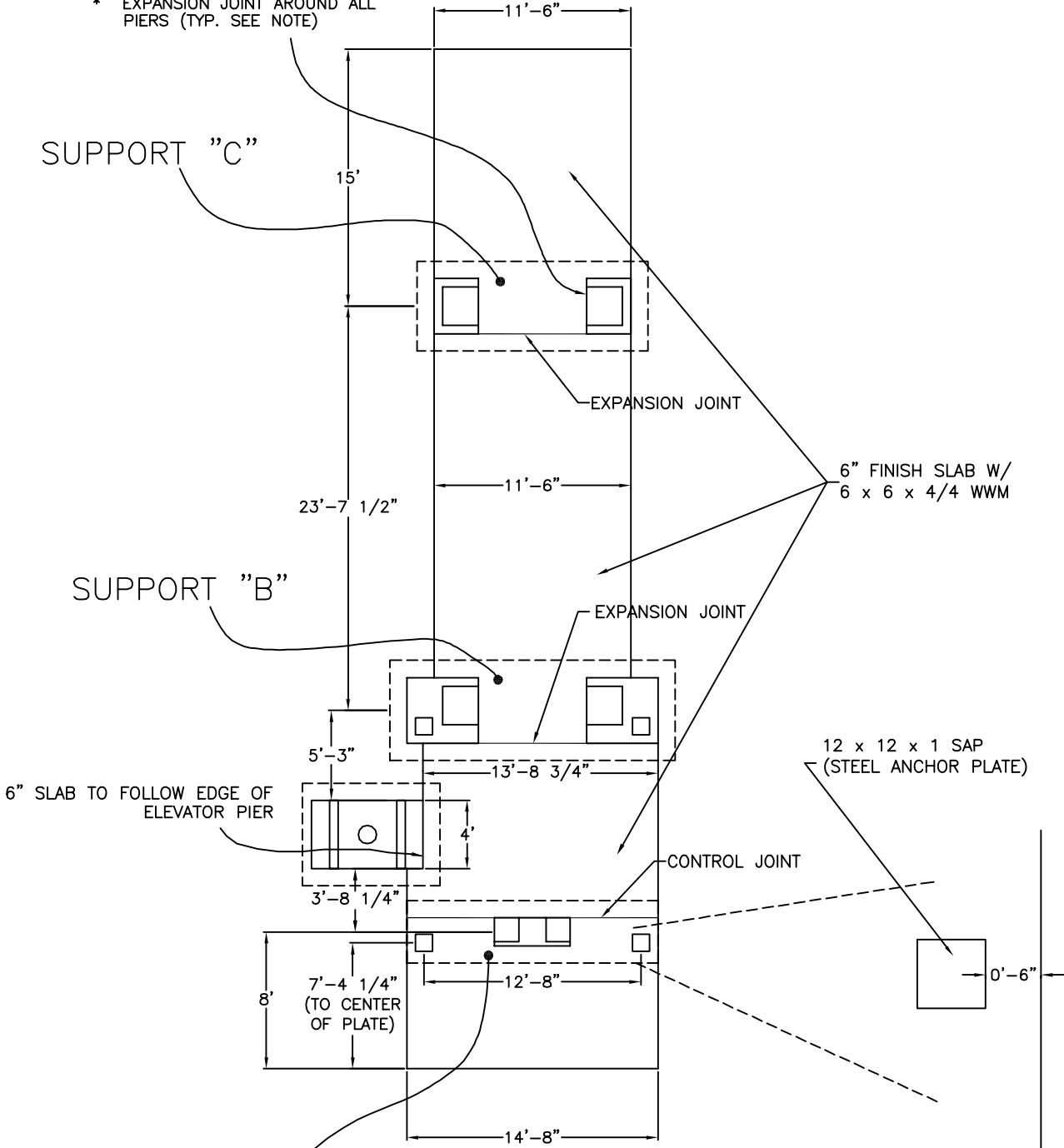
ALL VERTICAL REBAR FOR WALL SECTION TO BE TIED INTO FOOTER BEFORE FOOTER POUR



- \* TYP. CHAMFER EDGE ON ALL OS CORNERS
- \* ELEVATION REFERENCES ASSUME FINISH GRADE AT 0'-0"
- \* VERIFY ALL DIMENSIONS PER EQUIPMENT ON SITE BEFORE CONSTRUCTION

**ASPHALT PLANT LAYOUT**  
**DRUM/ELEVATOR SUPPORT PLAN**

\* EXPANSION JOINT AROUND ALL PIERS (TYP. SEE NOTE)



6" SLAB TO FOLLOW EDGE OF ELEVATOR PIER

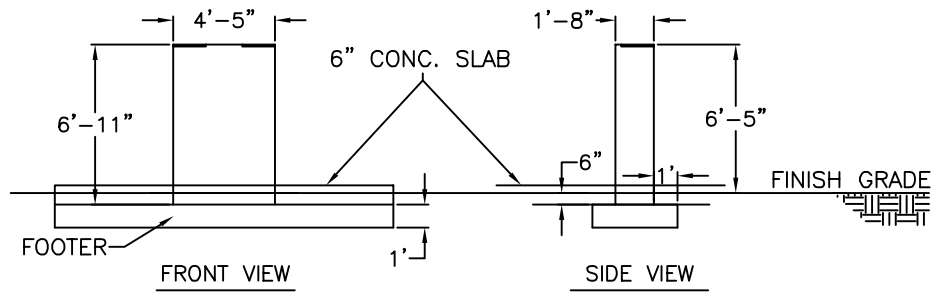
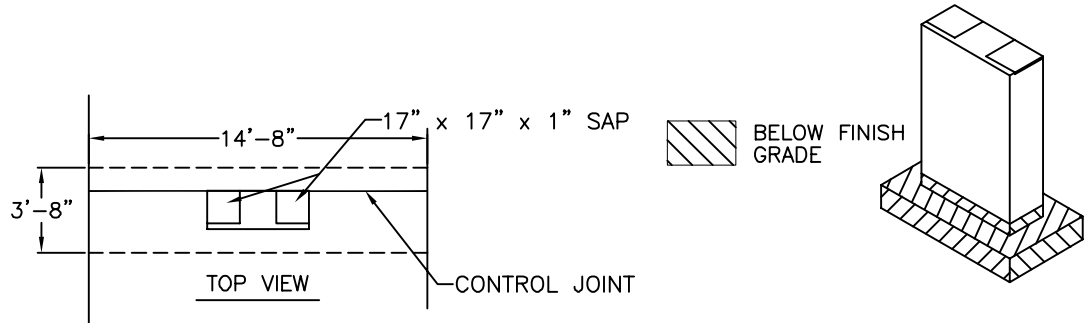
12 x 12 x 1 SAP  
(STEEL ANCHOR PLATE)

SUPPORT "A"

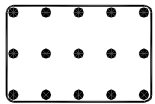
- \* 1/2" EXPANSION MAT'L TO BE PLACED AROUND ALL CONC. THAT PROTRUDES THRU SLAB
- \* ELEVATION REFERENCES ASSUME FINISH GRADE AT 0'-0"
- \* VERIFY ALL DIMENSIONS PER EQUIPMENT ON SITE BEFORE CONSTRUCTION

# ASPHALT PLANT LAYOUT

## DRUM SUPPORT "A"



## SUPPORT "A"



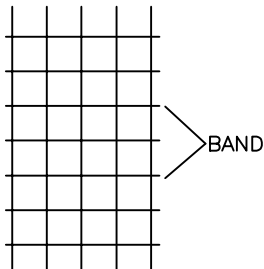
REINFORCING:

FOOTERS:

2 MATS #6 REBAR  
9" OC EW

PIERS:

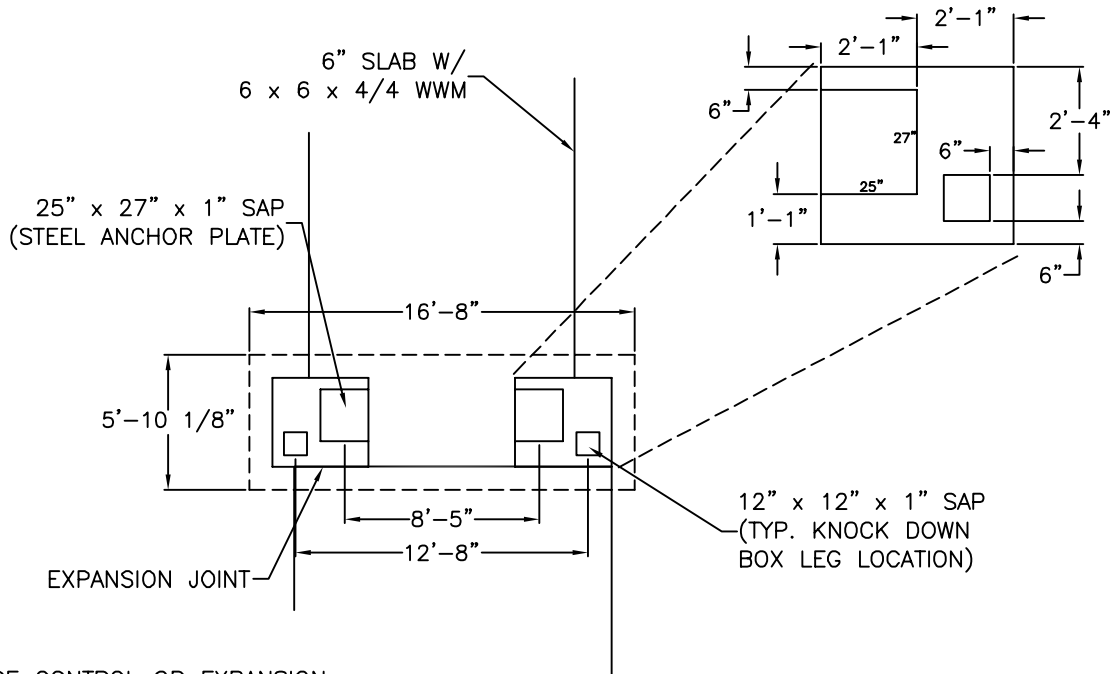
3 VERTICAL MATS  
#5 REBAR 9" OC EW  
HORIZONTAL BAND 18" OC



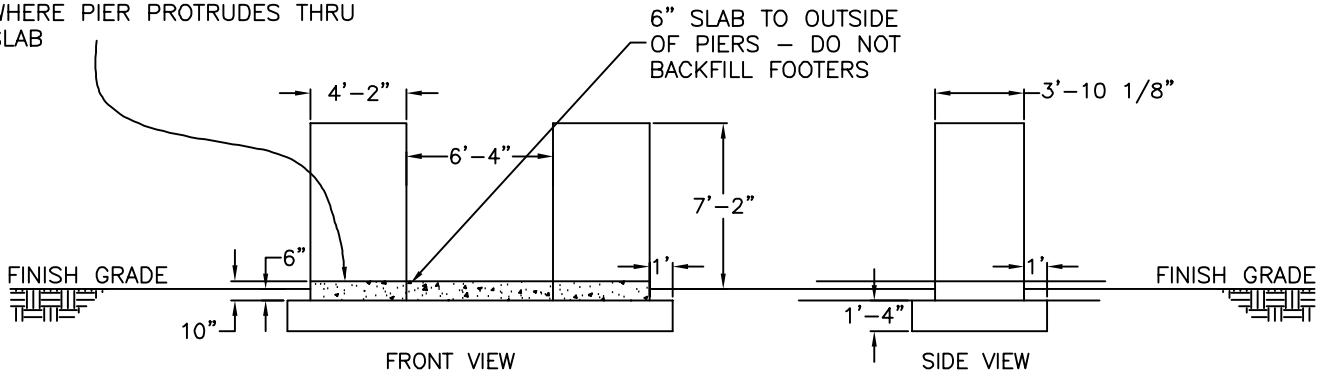
- \* 1/2" EXPANSION MAT'L TO BE PLACED AROUND ALL CONC. THAT PROTRUDES THRU SLAB
- \* ELEVATION REFERENCES ASSUME FINISH GRADE AT 0'-0"
- \* VERIFY ALL DIMENSIONS PER EQUIPMENT ON SITE BEFORE CONSTRUCTION

## ASPHALT PLANT LAYOUT

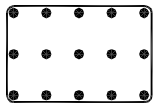
### DRUM/KNOCK DOWN BOX SUPPORT (SUPPORT "B")



PLACE CONTROL OR EXPANSION JOINTS IN SLAB AT EACH CORNER WHERE PIER PROTRUDES THRU SLAB



### DRUM/KNOCK DOWN BOX SUPPORT (SUPPORT "B")



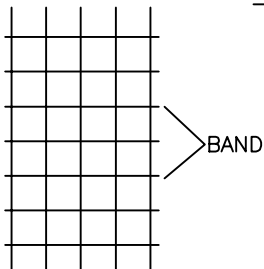
**REINFORCING:**

FOOTERS:

2 MATS #6 REBAR  
1' OC EACH WAY

PIERS:

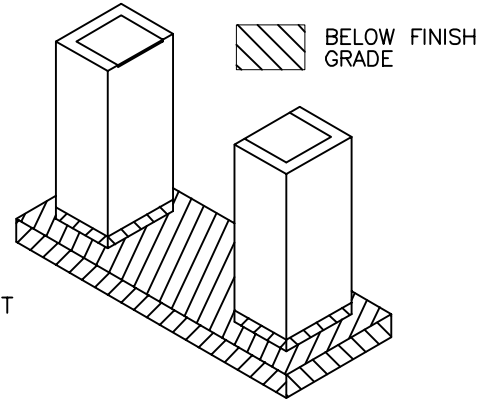
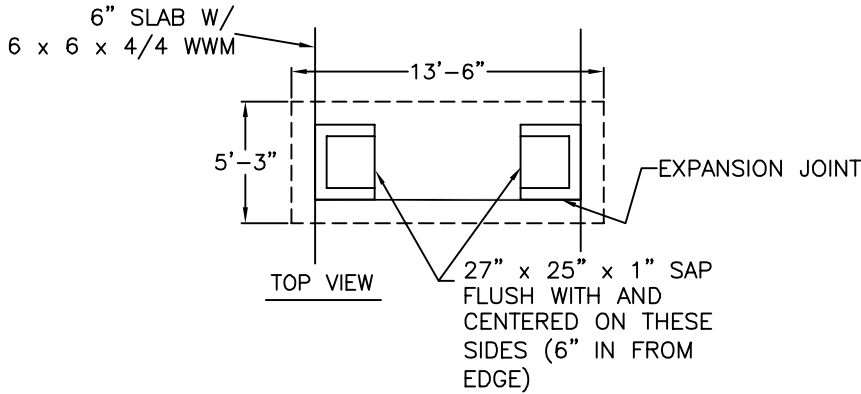
3 VERTICAL MATS  
#5 REBAR 1' OC EACH WAY



- \* 1/2" EXPANSION MAT'L TO BE PLACED AROUND ALL CONC. THAT PROTRUDES THRU SLAB
- \* ELEVATION REFERENCES ASSUME FINISH GRADE AT 0'-0"
- \* VERIFY ALL DIMENSIONS PER EQUIPMENT ON SITE BEFORE CONSTRUCTION

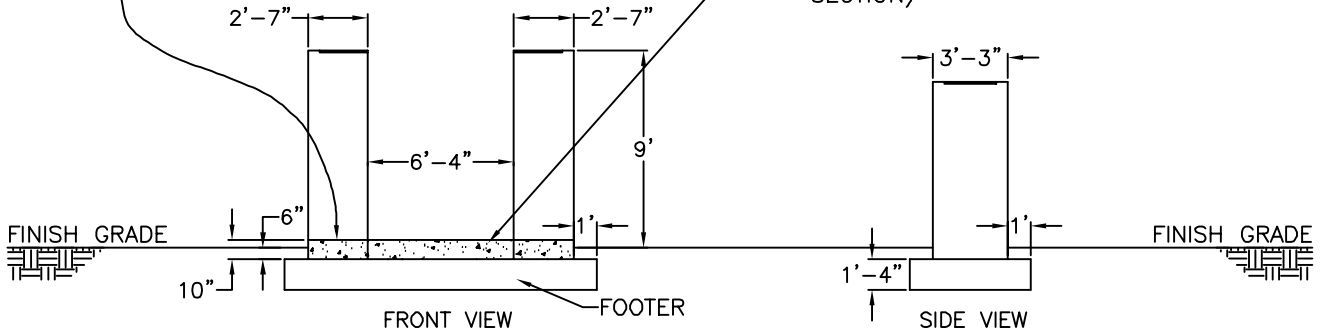
# ASPHALT PLANT LAYOUT

## DRUM SUPPORT "C"

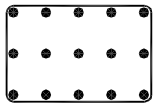


PLACE CONTROL OR EXPANSION JOINTS IN SLAB AT EACH CORNER WHERE PIER PROTRUDES THRU SLAB (TYP. ALL DRUM PIERS)

6" SLAB TO OUTSIDE OF PIERS - DO NOT BACKFILL FOOTERS (SLAB WILL BE APPROX. 10" THICK AT FOOTER SECTION)



## SUPPORT "C"



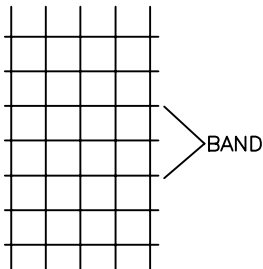
### REINFORCING:

#### FOOTERS:

2 MATS #6 REBAR  
9" OC EW

#### PIERS:

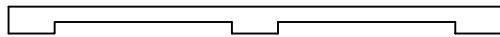
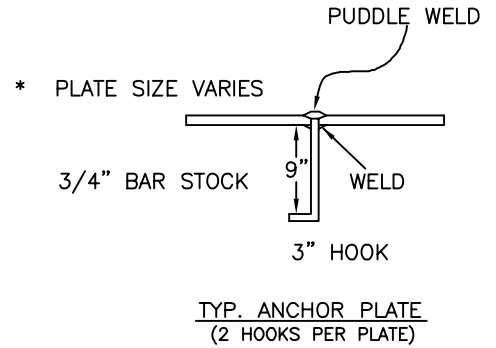
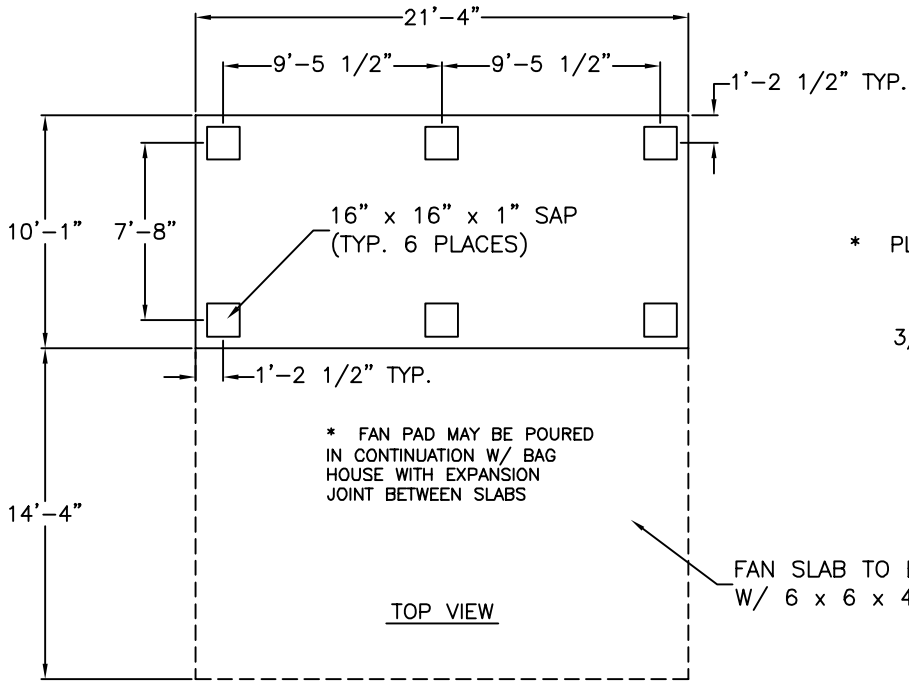
3 VERTICAL MATS  
#5 REBAR 9" OC EW  
HORIZONTAL BAND 18" OC



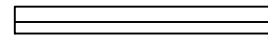
- \* 1/2" EXPANSION MAT'L TO BE PLACED AROUND ALL CONC. THAT PROTRUDES THRU SLAB
- \* ELEVATION REFERENCES ASSUME FINISH GRADE AT 0'-0"
- \* VERIFY ALL DIMENSIONS PER EQUIPMENT ON SITE BEFORE CONSTRUCTION

# ASPHALT PLANT LAYOUT

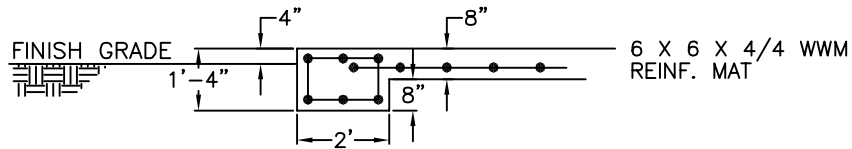
## BAG HOUSE / FAN PAN



FRONT VIEW  
(BAG HOUSE ONLY)



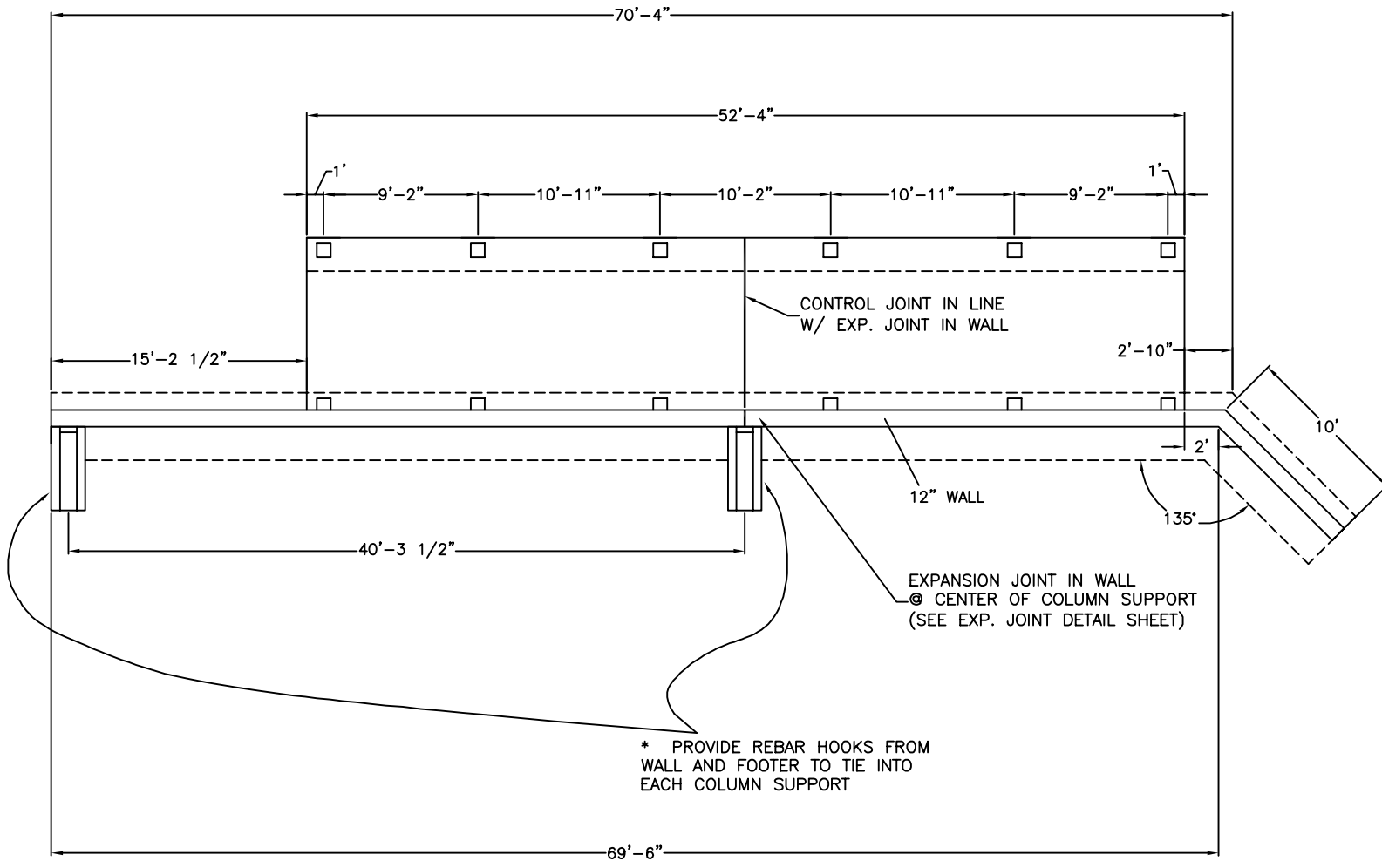
SIDE VIEW  
(BAG HOUSE ONLY)



TURNED DOWN FOOTER DETAIL  
(BAG HOUSE ONLY)

- \* FAN PAD MAY BE Poured IN CONTINUATION WITH BAG HOUSE W/ EXPANSION JOINT BETWEEN THE SLABS
- \* ALL REBAR TO BE PLACED MIN. 3" FROM FORM OR TOP OF SLAB OR STRUCTURE
- \* TOP OF SLAB - 4" ABOVE FINISH GRADE
- \* ELEVATION REFERENCES ASSUME FINISH GRADE AT 0'-0"
- \* VERIFY ALL DIMENSIONS PER EQUIPMENT ON SITE BEFORE CONSTRUCTION

**ASPHALT PLANT LAYOUT**  
**COLD FEED FOUNDATION PLAN**

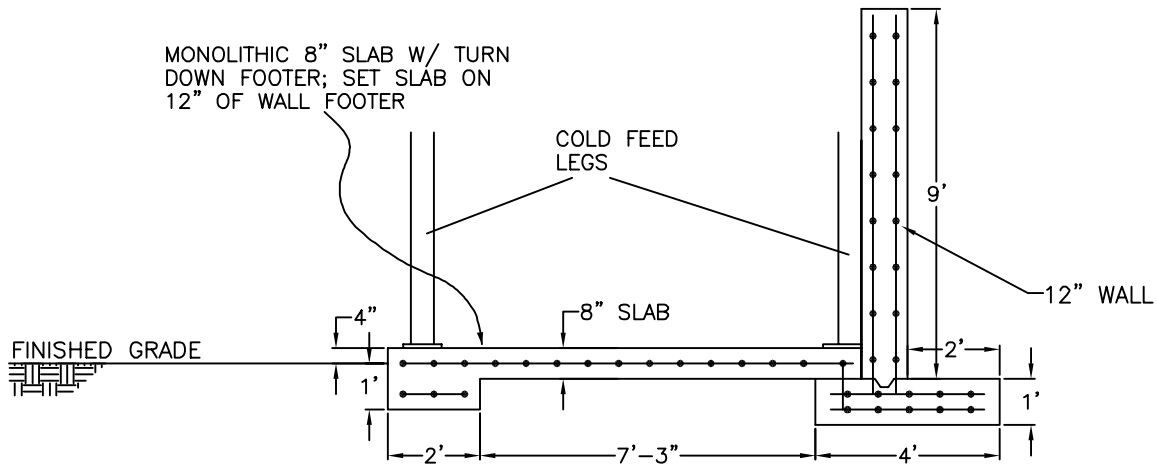


\* VERIFY ALL DIMENSIONS PER EQUIPMENT  
ON SITE BEFORE CONSTRUCTION

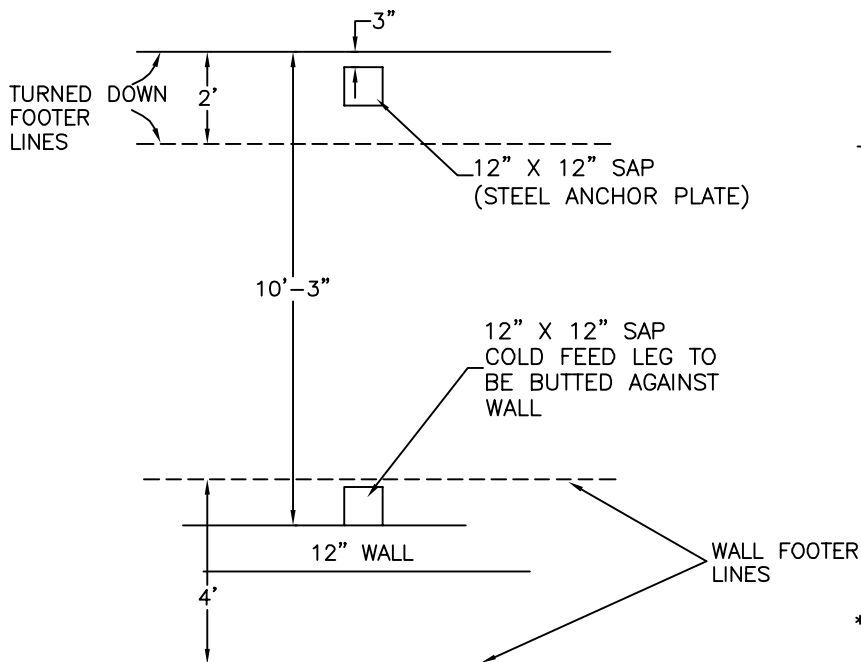
## ASPHALT PLANT LAYOUT

### COLD FEED BINS AND RETAINING WALL

- \* PLACE 6 HOOK BARS IN WALL FACE TO WELD TO COLD FEED LEGS – BARS TO BE PLACED 7' ABOVE TOP OF FOOTER AND OFFSET 4" FROM CENTERLINE OF EACH LEG LOCATION
- \* PLACE 5 HOOK REBARS IN WALL FOOTER TO TIE INTO 8" SLAB
- \* COLD ROLLED STEEL SHALL BE USED FOR HOOKS



\* TIE COLUMN FOOTING TO RETAINING WALL FOOTING



REBAR:

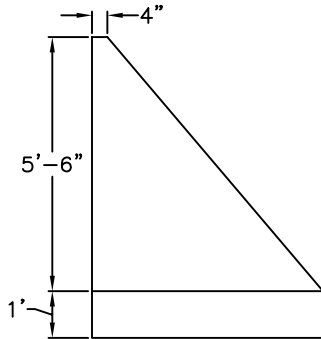
FOOTER = 2 HORIZ. MATS – #6 REBAR  
12" OC EW

SLAB = 6 x 6 x 4/4 WWM

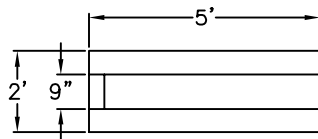
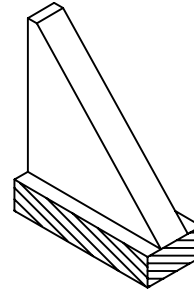
WALL = 2 VERT. MATS – #5 REBAR  
12" OC EW

- \* ELEVATION REFERENCES ASSUME FINISH GRADE AT 0'-0"
- \* VERIFY ALL DIMENSIONS PER EQUIPMENT ON SITE BEFORE CONSTRUCTION

**ASPHALT PLANT LAYOUT**  
**RETAINING WALL COLUMN SUPPORT**

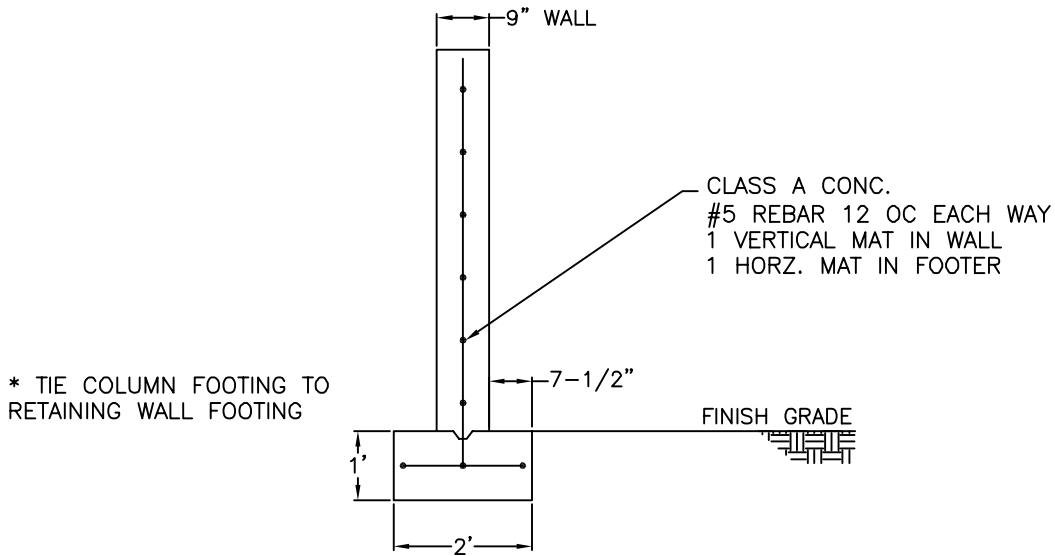


\* TIE COLUMN SUPPORTS TO WALL + WALL FOOTER WITH REBAR HOOKS



 BELOW FINISH GRADE

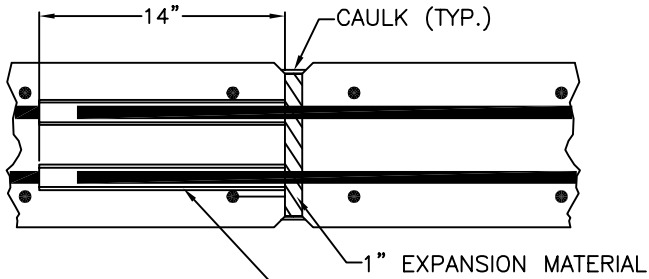
COLUMN SUPPORT



COLUMN SUPPORT DETAIL

- \* ELEVATION REFERENCES ASSUME FINISH GRADE AT 0'-0"
- \* VERIFY ALL DIMENSIONS PER EQUIPMENT ON SITE BEFORE CONSTRUCTION

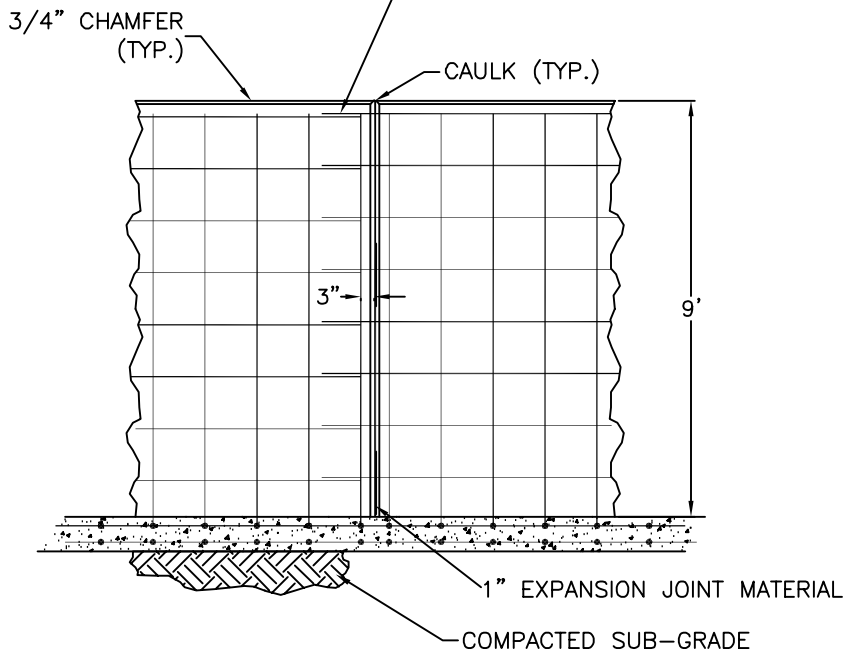
**ASPHALT PLANT LAYOUT**  
**RETAINING WALL EXPANSION JOINT DETAIL**



TOP VIEW CROSS-SECTION

NOTE:  
 CONCRETE TO BE  
 3000 P.S.I.

#5 REBAR EXTENDED INTO  
 ADJOINING WALL (TYP.)  
 WITH 14" SLEEVES TO ALLOW  
 EXPANSION & CONTRACTION  
 12" O.C. (TYP. HORIZONTAL SPACING)

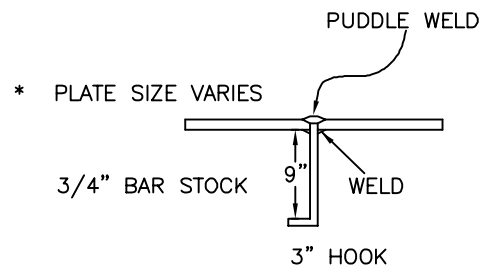
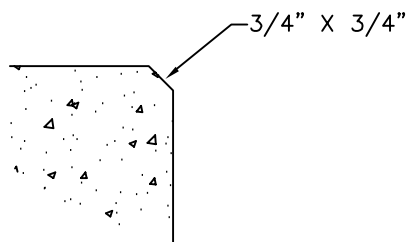


TYPICAL CONCRETE EXPANSION JOINT

## ASPHALT PLANT LAYOUT

### GENERAL NOTES AND DETAILS

TYP. CHAMFER EDGE ON ALL EXPOSED CORNERS ABOVE GRADE



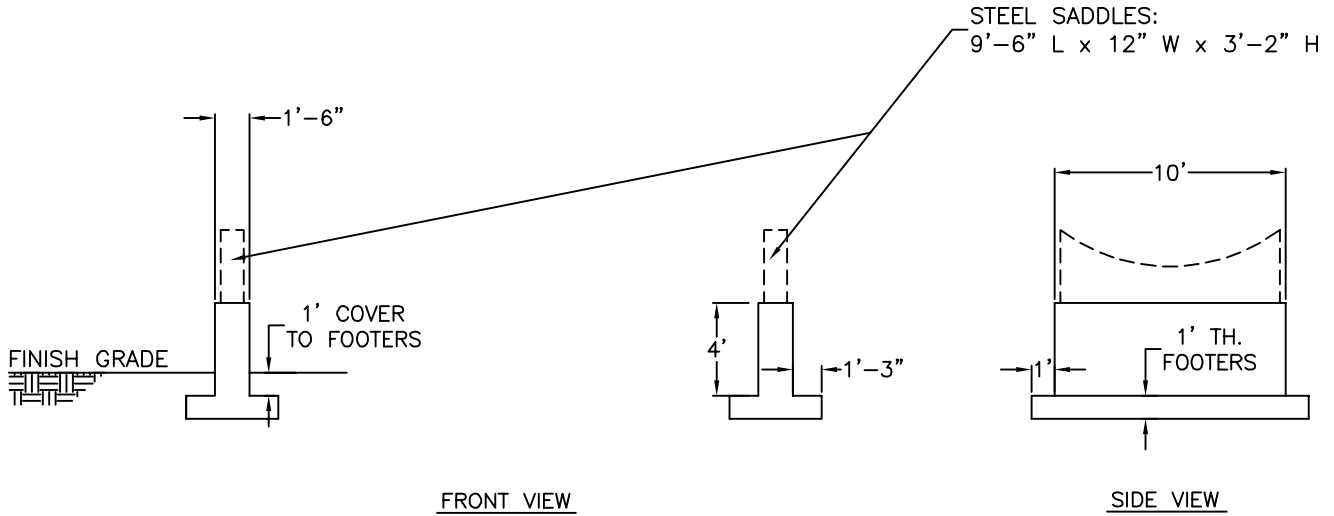
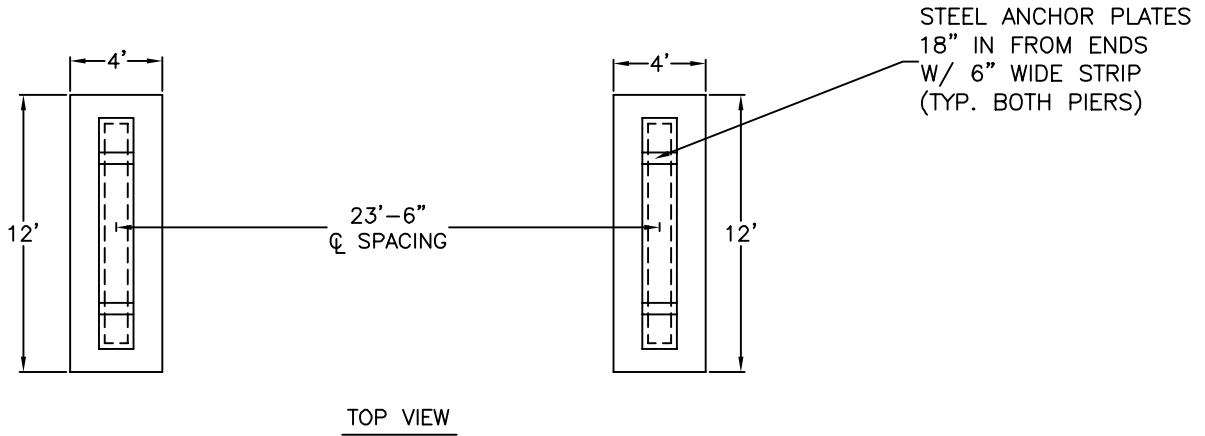
TYP. ANCHOR PLATE  
(2 HOOKS PER PLATE)

1. ALL SLABS POURED W/: FINISH ELEVATION 4" ABOVE FINISHED GRADE  
6 X 6 X 4/4 WW MESH REINFORCING MATS  
(NOT ROLLED MAT'L)  
EDGE TOOLED W/ 1/2" ROUND RADIUS TOOL  
REINFORCING MAT 2" OFF BOTTOM OF SLAB  
SLAB THICKNESS MINIMUM = 6"
2. ALL REINFORCING STEEL BARS SHALL BE A36 STEEL
3. REBAR SPLICE LAP SHALL BE 6"
4. VERTICAL STRUCTURE REBAR SHALL EXTEND INTO FOOTERS AND TIE INTO FOOTER REBAR
5. ALL CONCRETE SHALL BE CLASS A CONC. - MIN. 3000 PSI AT 28 DAY BREAK
6. ALL REBAR TO BE PLACED MIN. 3" FROM TOP OF STRUCTURE AND FORMS
7. EXPANSION MAT'L TO BE PLACED AROUND ALL CONCRETE THAT PROTRUDES THRU CONCRETE SLAB

- \* ELEVATION REFERENCES ASSUME FINISH GRADE AT 0'-0"
- \* VERIFY ALL DIMENSIONS PER EQUIPMENT ON SITE BEFORE CONSTRUCTION

# ASPHALT PLANT LAYOUT

## PROPANE TANK SUPPORT



- \* ALL DIMENSIONS FOR PIERS ARE TYPICAL FOR BOTH SIDES
- \* TYPICAL 1-1/4" CHAMFER EDGE ON ALL EXPOSED CONCRETE

## PROPANE TANK SUPPORT

### REINFORCING:

#### FOOTER:

2 MATS #5 REBAR  
12" OC EW

#### PIERS:

1 VERTICAL MAT THRU CENTER  
#5 REBAR 12" OC EW

- \* 1/2" EXPANSION MAT'L TO BE PLACED AROUND ALL CONC. THAT PROTRUDES THRU SLAB
- \* ELEVATION REFERENCES ASSUME FINISH GRADE AT 0'-0"
- \* VERIFY ALL DIMENSIONS PER EQUIPMENT ON SITE BEFORE CONSTRUCTION