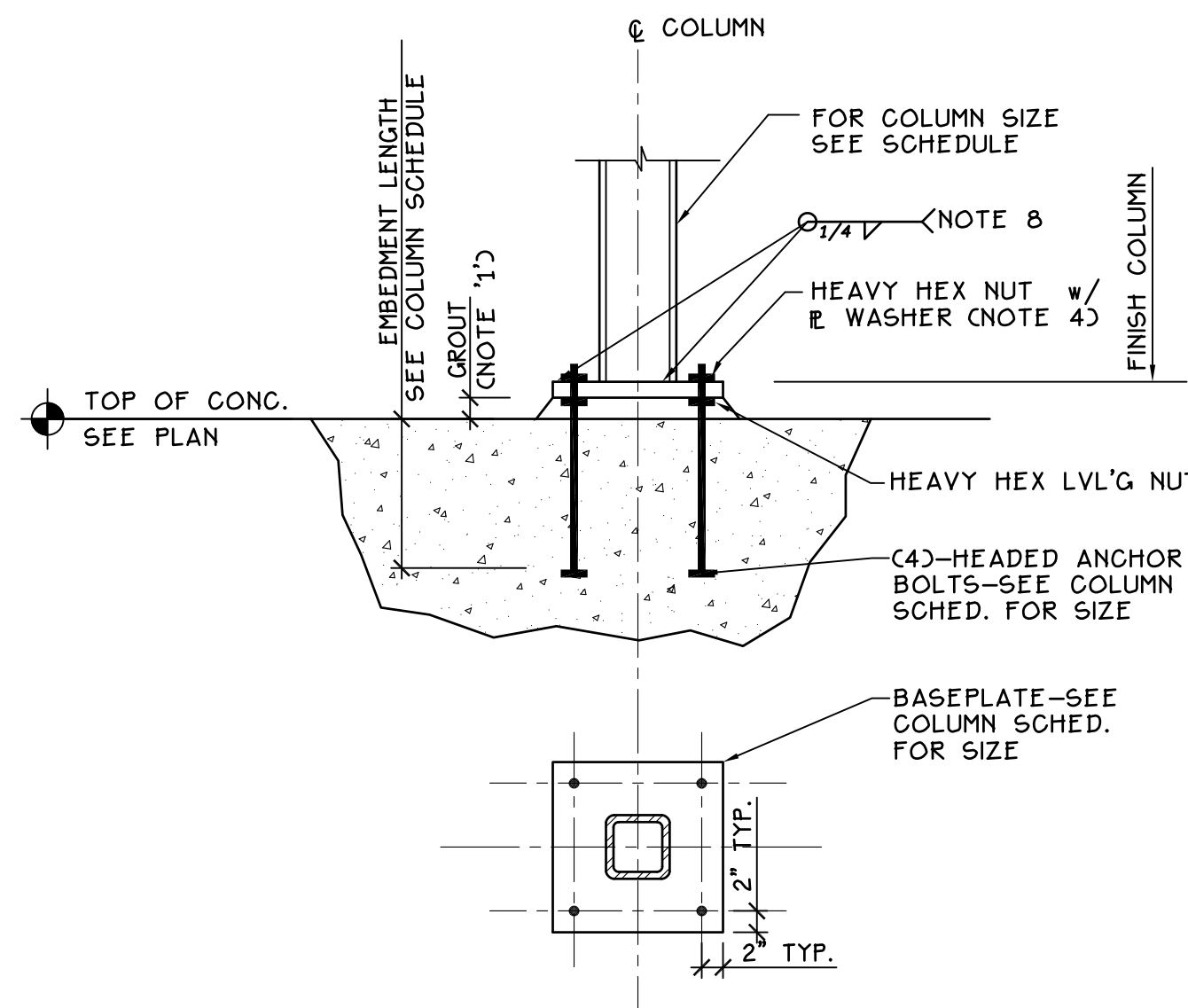


1
6
1
0
6
2
0
6
2
0
6
4
0
6
4
0
8
4
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16
0
4
8
0
16

three inches = one foot
one and one half inch = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

| STEEL COLUMN SCHEDULE | | | | | |
|--|---|---|--|---|---|
| | 23/E 23/F 23/G 235/G | 23.3/E YY/ZZ | 22/O5 23/G5 22.2/C8 23/C8 (VESTIBULE COLUMNS) | POST A (COILING DOOR SUPPORT) | POST B (NEW LINTEL SUPPORT) |
| CANOPY ROOF | | | | SEE 6/5-502 | |
| VESTIBULE ROOF | | | | | |
| LOADING DOCK | HSS 6x6x3/8 | HSS 6x6x3/8 CALV. | HSS 6x6x3/8 CALV. | HSS 4x4x3/8 NOTE 8 | HSS 5x3x1/2 |
| BASEPLATE | 16"x3/4"x16" PL | 16"x3/4"x16" PL | 16"x3/4"x16" PL | 10"x1/2"x10" PL | 8"x1/2"x14" PL |
| ANCHOR RODS | C43-3/4" HEADED (O-4" MIN. EMBED.) | C43-3/4" HEADED (O-4" MIN. EMBED.) | C43-3/4" HEADED (O-4" MIN. EMBED.) | C43-5/8" HEADED ADHESIVE ANCHORS (3 1/2" MIN. EMBED.) | C43-3/4" HEADED ADHESIVE ANCHORS (3 1/2" MIN. EMBED.) |
| PIER | 24"x24" CONC. W/ (C3)-#7 VERT. + #3 TIES @ 12" O.C. | 24"x24" CONC. W/ (C3)-#7 VERT. + #3 TIES @ 12" O.C. | 24"x24" CONC. W/ (C3)-#7 VERT. + #3 TIES @ 12" O.C. | 16"x20" CONC. W/ (C3)-#6 VERT. + #3 TIES @ 12" O.C. | SEE DETAIL 3/5600 (C3)-#7 VERT. + #3 TIES @ 12" O.C. |
| TOP OF PIER ELEVATION (NOTE 6) | -1-0" | -1-1" | G5 LINE: -0'-11" C8 LINE: -0'-8" | -0-8" | -0-8" |
| STEEL COLUMN SCHEDULE NOTES: 1. THE LONG DIMENSION OF THE COLUMN BASE PLATE IS PARALLEL TO THE LONG DIMENSION OF TUBE. 2. BOTTOM OF GROUT SHALL EQUAL TOP OF PIER ELEVATION. SEE PLAN FOR TOP OF PIER ELEVATION. 3. WHERE BASE PLATE IS SHOP WELDED TO COLUMN, PROVISIONS SHALL BE MADE FOR LEVELING. 4. ALL COLUMNS AND BASEPLATES SHALL BE ASTM A572, GR. 50, UNLESS NOTED OTHERWISE. 5. SPLICES NOT PERMITTED IN COLUMNS. 6. TOP OF PIER ELEVATION INDICATED IS TAKEN FROM EXISTING BASEMENT FINISH FLOOR ELEVATION, BASEMENT FINISH FLOOR ELEVATION SHALL BE VERIFIED BY CONTRACTOR PRIOR TO WORK. SEE S100, NOTE 1 FOR ANTICIPATED ELEVATION TO BE FIELD VERIFIED. 7. "GALV" COLUMNS SHALL BE HOT DIPPED GALVANIZED. 8. PROVIDE PLATE WELDED TO COLUMN PER 5/50502. | | | | | |

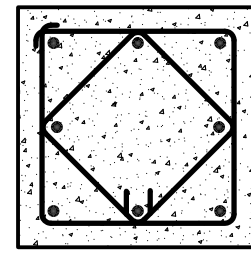


- NOTES:
1. PROVIDE 2" GROUT TYPICAL. FOR BASEPLATES LESS THAN 24" SQUARE 3/4" GROUT AND 1/4" LEVELING PLATE MAY BE SUBSTITUTED. COORDINATE COLUMN CUTOFF LENGTHS AS REQUIRED.
 2. REFER TO BASEPLATE DETAILING SCHEDULE FOR THE BASEPLATE HOLE DIAMETERS, PLATE WASHER DIMENSIONS AND ANCHOR BOLT EDGE DISTANCE.
 3. "d" IS THE ANCHOR BOLT DIAMETER AS DEFINED IN THE COLUMN SCHEDULE.
 4. UNHEADED ANCHOR BOLTS WITH DOUBLE HEAVY HEX NUTS MAY BE SUBSTITUTED FOR HEADED ANCHOR BOLTS.
 5. THE LAST DIMENSION OF THE COLUMN BASEPLATE SIZE, NOTED IN THE COLUMN SCHEDULE, IS PARALLEL TO THE COLUMN WEB.
 6. CONTRACTOR COORDINATE SHOP WELDING OF COLUMN TO BASEPLATE. FIELD WELDING OF COLUMN TO BASEPLATE IS ACCEPTABLE AT LOCATIONS NEAR EXISTING WALLS TO REMAIN IF REQUIRED TO FACILITATE COLUMN ERECTION.
 7. EPOXY ANCHORS, WHERE NOTED PER SCHEDULE, ARE REQUIRED TO BE ANCHORED USING HILTI HIT-RE 500 SD ADHESIVE. NO SUBSTITUTION OF BASIS OF DESIGN PRODUCT IS PERMITTED FOR COLUMN ATTACHMENTS.

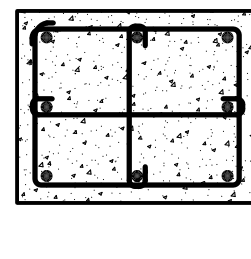
DETAIL 1/6600 N.T.S.
TYPICAL COLUMN BASE DETAIL

| BASEPLATE DETAILING SCHEDULE | | | | |
|--------------------------------|-------------------------------|-------------------|--------------------------------|--|
| ANCHOR ROD DIAMETER (C3) | BASEPLATE HOLE DIAMETER | PLATE DIAMETER | WASHER THICKNESS (CUNO3) | ANCHOR ROD EDGE DISTANCE (CUNO3) |
| 3/4" | 1 1/16" | 1 5/8" | 5/16" | 2" |
| | | | | |
| | | | | |

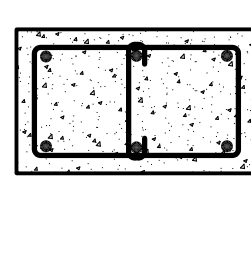
NOTES:
1. SEE COLUMN SCHEDULE FOR ANCHOR BOLT DIAMETER.
2. PLATE WASHERS SHALL HAVE STANDARD HOLES.
3. PLATE WASHERS FOR BASE PLATES WITH ADHESIVE ANCHORS SHALL MATCH THOSE REQUIRED FOR 3/4" ANCHOR RODS.



8 BAR
SQUARE PIER
(24"x24")
2-TIES PER SET



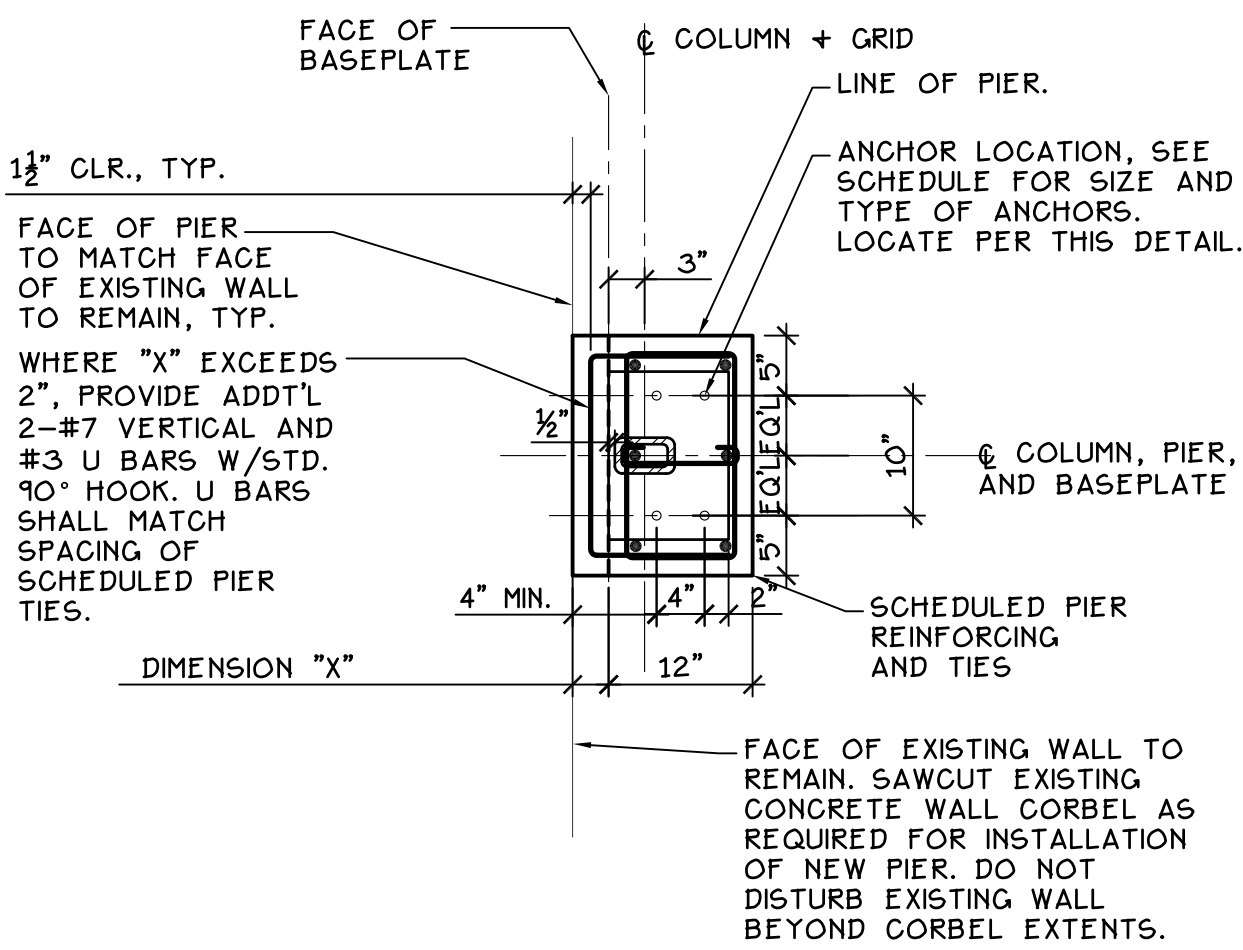
8 BAR
RECTANGULAR
PIER
3-TIES PER SET



6 BAR
RECTANGULAR
PIER
2-TIES PER SET

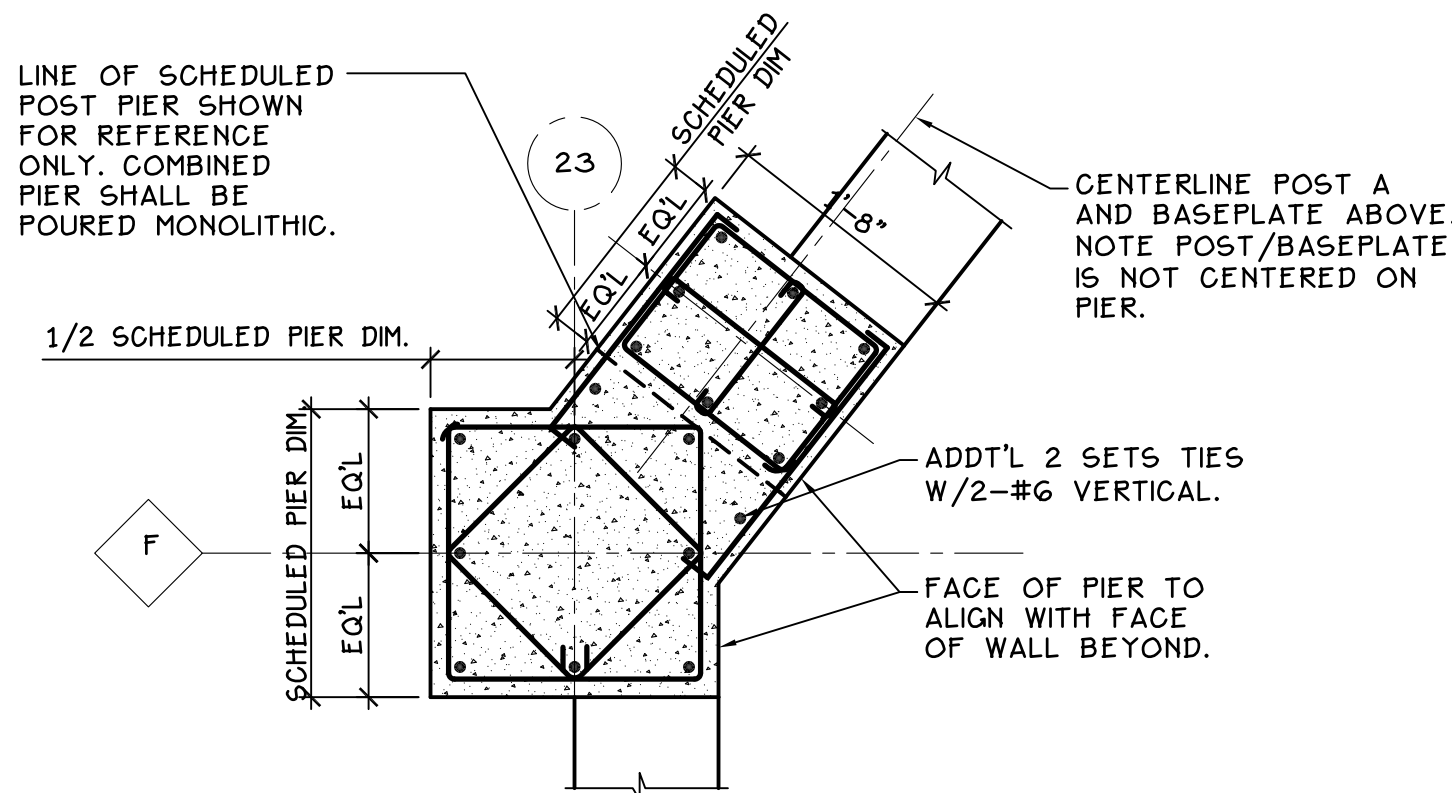
- NOTES:
1. 1/8" MIN. COVER TO TIES (TYPICAL).
 2. FOR SIZE OF VERTICAL BARS, SEE COLUMN SCHEDULE.
 3. ALTERNATE LOCATIONS OF TIE HOOKS WHEN PLACING SUCCESSIVE SETS OF TIES.
 4. CONTRACTOR COORDINATE PIER BAR PLACEMENT WITH ANCHOR ROD LOCATION. SUBMIT ALTERNATE PIER BAR LAYOUTS FOR REVIEW IF A CONFLICT IS ANTICIPATED.
 5. ALL PIERS SHALL BE FORMED.
- NOTE TO DETAILER:
1. ADD RECTANGULAR COLUMN TIE DETAILS IF APPLICABLE. ALSO INDICATE ARRANGEMENT OF VERTICAL BARS OF OTHER THAN EQUALLY SPACED AROUND PERIMETER.
2. DETAILS ARE FROM ACI DETAILING MANUAL. DETAILS APPLICABLE FOR PRE-ASSEMBLED CAGES.
3. ADD BUNDLED BARS IF APPLICABLE.

DETAIL 2/6600 3/4" = 1'-0"
PIER REBAR DETAIL





- NOTES:
1. "X" DIMENSION VARIES, CONTRACTOR FIELD VERIFY. 6" MAXIMUM DIMENSION IS PERMITTED, IF DIMENSION IS LARGER THAN 6" SCHEDULED PIER DIMENSIONS ONLY ARE REQUIRED. WHERE ACTUAL DIMENSION IS LESS THAN 3/4 THE SCHEDULED PIER DIMENSION, PIER REBAR SHALL BE FABRICATED FOR THE PIER DIMENSIONS AVAILABLE AS MEASURED.
 2. PIER CONCRETE SHALL BE POURED MONOLITHICALLY.
 3. FIELD VERIFICATION DIMENSIONS SHALL BE PROVIDED PRIOR TO STEEL BASE PLATE OR ANCHOR ROD SHOP DRAWING SUBMITTAL. ADJUSTMENTS TO BASEPLATE AND ANCHOR LAYOUTS MAY BE REQUIRED.

DETAIL 3/6600 3/4" = 1'-0"
POST B PIER AND BASEPLATE DETAIL



DETAIL 4/6600 3/4" = 1'-0"
PIER DETAIL F/23 AND POST

| | | | | | | | | | | | | | | | |
|------------|--|------|---|--|---|--|--|--|--|--|------------------------------|--|--|--|--|
| Revisions: | | Date | CONSULTANTS: | | ARCHITECTS/ENGINEERS: | | Drawing Title TYPICAL SUPERSTRUCTURE DETAILS | | Project Title BUILDING 9 - SECOND FLOOR RENOVATION | | Project Number 542-13-105 | | Office of Construction and Facilities Management Department of Veterans Affairs | | |
| | | |  HOPE FURRER Associates, Inc. Structural Design and Consulting for Architectural Projects 901 East Avenue - Suite 100 - Erie, PA 16590 Tel: 814.461.1000 Fax: 814.461.1001 www.hfassoc.com | |  HOPE FURRER Professional Engineer PE-037877-A State of Pennsylvania | | Approved: Project Director | | Location: 1400 Blackhorse Hill Road Coatesville, PA 19320 | | Drawing Number S600 | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | A/E works 6587 HAMILTON AVENUE PITTSBURGH, PA 15206 PH: 412.287.7333 FAX: 412.287.7334 www.ae-works.com | | | | Date 05/12/14 | | Checked SLS | | Drawn MTH | | |
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