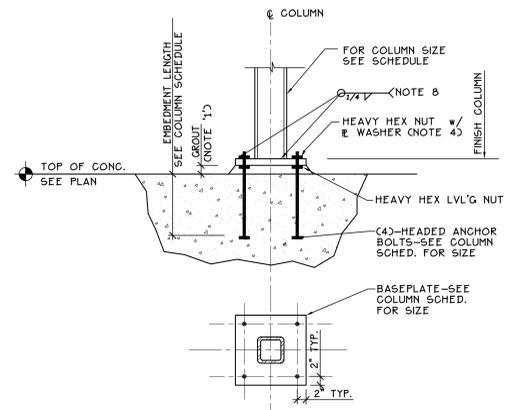


STEEL COLUMN SCHEDULE					
	23/E 23/F 23/G 23.5/G	23.3/E YY/ZZ	22/0.5 23/0.5 22.2/C.8 23/C.8  (VESTIBULE COLUMNS)	POST A COILING DOOR SUPPORT)	POST B NEW LINTEL SUPPORT)
CANOPY ROOF				SEE 6/6-502	
VESTIBULE ROOF					
LOADING DOCK					
BASEPLATE	16"x3/4"x16" E	16"x3/4"x16" E	16"x3/4"x16" E	10"x1/2"x10" E	8"x1/2"x14" E
ANCHOR RODS	(4)-3/4" HEADED (0-4" MIN. EMBED.)	(4)-3/4" HEADED (0-4" MIN. EMBED.)	(4)-3/4" HEADED (0-4" MIN. EMBED.)	(4)-5/8" ADHESIVE ANCHORS (3 1/2" MIN. EMBED.)	(4)-3/4" ADHESIVE ANCHORS (3 1/2" MIN. EMBED.)
PIER	24"x24" CONC. W/ (8)-#7 VERT. + #3 TIES @ 12" O.C.	24"x24" CONC. W/ (8)-#7 VERT. + #3 TIES @ 12" O.C.	24"x24" CONC. W/ (8)-#7 VERT. + #3 TIES @ 12" O.C.	16"x20" CONC. W/ (8)-#6 VERT. + #3 TIES @ 12" O.C.	SEE DETAIL 3/600 (6)-#7 VERT. + #3 TIES @ 12" O.C.
TOP OF PIER ELEVATION (NOTE 6)	-1'-0"	-1'-1"	0.5 LINE: -0'-11" C.B. LINE: -0'-8"	-0'-8"	-0'-8"

**STEEL COLUMN SCHEDULE NOTES:**

- THE LONG DIMENSION OF THE COLUMN BASE PLATE IS PARALLEL TO THE LONG DIMENSION OF TUBE.
- BOTTOM OF GROUT SHALL EQUAL TOP OF PIER ELEVATION. SEE PLAN FOR TOP OF PIER ELEVATION.
- WHERE BASE PLATE IS SHOP WELDED TO COLUMN, PROVISIONS SHALL BE MADE FOR LEVELING.
- ALL COLUMNS AND BASEPLATES SHALL BE ASTM A572, GR. 50, UNLESS NOTED OTHERWISE.
- SPLICES NOT PERMITTED IN COLUMNS.
- 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.
- "GALV" COLUMNS SHALL BE HOT DIPPED GALVANIZED.
- PROVIDE PLATE WELDED TO COLUMN PER 5/5502.



- NOTES:**
- 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.
  - REFER TO BASEPLATE DETAILING SCHEDULE FOR THE BASEPLATE HOLE DIAMETERS, PLATE WASHER DIMENSIONS AND ANCHOR BOLT EDGE DISTANCE.
  - "d" IS THE ANCHOR BOLT DIAMETER AS DEFINED IN THE COLUMN SCHEDULE.
  - UNHEADED ANCHOR BOLTS WITH DOUBLE HEAVY HEX NUTS MAY BE SUBSTITUTED FOR HEADED ANCHOR BOLTS.
  - THE LAST DIMENSION OF THE COLUMN BASEPLATE SIZE, NOTED IN THE COLUMN SCHEDULE, IS PARALLEL TO THE COLUMN WEB.
  - 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.
  - EPOXY ANCHORS, WHERE NOTED PER SCHEDULE, ARE REQUIRED TO BE ANCHORED USING HLT HLT-RE 500 SD ADHESIVE. NO SUBSTITUTION OF BASIS OF DESIGN PRODUCT IS PERMITTED FOR COLUMN ATTACHMENTS.

DETAIL 1/600 TYPICAL COLUMN BASE DETAIL N.T.S.

BASEPLATE DETAILING SCHEDULE				
ANCHOR ROD DIAMETER (d)	BASEPLATE HOLE DIAMETER	PLATE DIAMETER	WASHER THICKNESS (UNDO)	ANCHOR ROD EDGE DISTANCE (UNDO)
3/4"	1 1/16"	1 5/8"	5/16"	2"

**NOTES:**

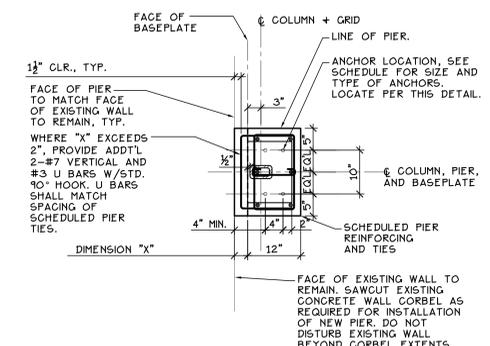
- SEE COLUMN SCHEDULE FOR ANCHOR BOLT DIAMETER.
- PLATE WASHERS SHALL HAVE STANDARD HOLES.
- PLATE WASHERS FOR BASE PLATES WITH ADHESIVE ANCHORS SHALL MATCH THOSE REQUIRED FOR 3/4" ANCHOR RODS.



- NOTES:**
- 1/2" MIN. COVER TO TIES (TYPICAL).
  - FOR SIZE OF VERTICAL BARS, SEE COLUMN SCHEDULE.
  - ALTERNATE LOCATIONS OF TIE HOOKS WHEN PLACING SUCCESSIVE SETS OF TIES.
  - CONTRACTOR COORDINATE PIER BAR PLACEMENT WITH ANCHOR ROD LOCATION. SUBMIT ALTERNATE PIER BAR LAYOUTS FOR REVIEW IF A CONFLICT IS ANTICIPATED.
  - ALL PIERS SHALL BE FORMED.

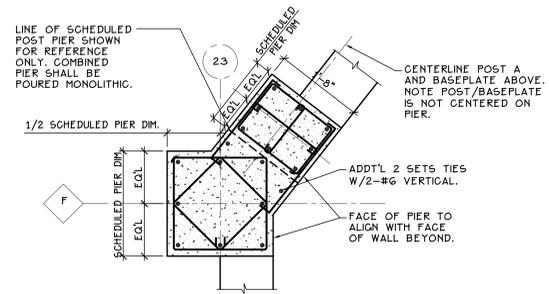
- NOTE TO DETAILER:**
- ADD RECTANGULAR COLUMN TIE DETAILS IF APPLICABLE. ALSO INDICATE ARRANGEMENT OF VERTICAL BARS OF OTHER THAN EQUALLY SPACED AROUND PERIMETER.
  - DETAILS ARE FROM ACI DETAILING MANUAL. DETAILS APPLICABLE FOR PRE-ASSEMBLED CAGES.
  - ADD BUNDLED BARS IF APPLICABLE.

DETAIL 2/600 PIER REBAR DETAIL 3/4" = 1'-0"



- NOTES:**
- "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.
  - PIER CONCRETE SHALL BE POURED MONOLITHICALLY.
  - 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 3/600 POST B PIER AND BASEPLATE DETAIL 3/4" = 1'-0"



DETAIL 4/600 PIER DETAIL F/23 AND POST 3/4" = 1'-0"

FULLY SPRINKLERED  
BID DOCUMENTS

<b>CONSULTANTS:</b>  HOPE FURKER Associates, Inc. <small>181 East Avenue - Suite 100 - Pittsburgh, PA 15201                  412-287-7333 FAX: 412-287-7334                  www.hfworks.com</small>	<b>ARCHITECTS/ENGINEERS:</b>  A E works <small>6587 HAMILTON AVENUE                  PITTSBURGH, PA 15206                  PH: 412-287-7333 FAX: 412-287-7334                  www.ae-works.com</small>	Drawing Title TYPICAL SUPERSTRUCTURE DETAILS	Project Title BUILDING 9 - SECOND FLOOR RENOVATION	Project Number 542-13-105	<b>Office of Construction and Facilities Management</b> 
		Approved: Project Director	Location: 1400 Blackhorse Hill Road Coatesville, PA 19320	Building Number 9	
Revisions:	Date	Date 05/12/14	Checked SLS	Drawn MTH	Dwg. 34 of 125

three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot  
one half inch = one foot  
one inch = one foot  
one and one half inch = one foot  
two inches = one foot  
three inches = one foot  
four inches = one foot  
five inches = one foot  
six inches = one foot  
seven inches = one foot  
eight inches = one foot  
nine inches = one foot  
ten inches = one foot  
eleven inches = one foot  
twelve inches = one foot

A  
B  
C  
D  
E  
F