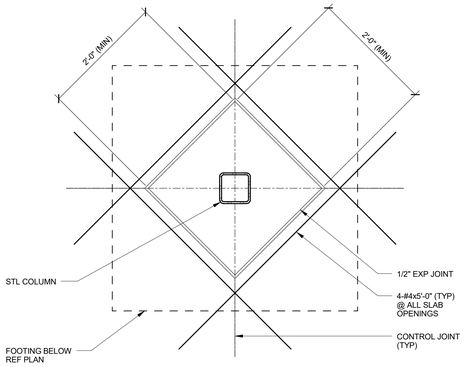
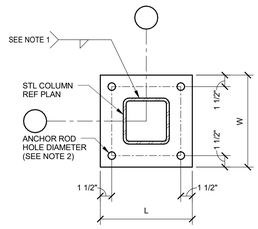
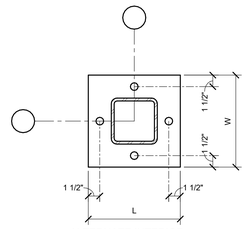


1 TYP DIAMOND POUR DETAIL
NTS

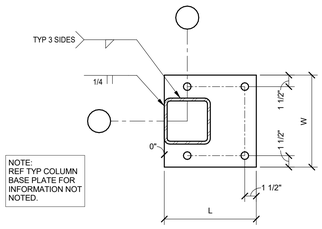


TYP COLUMN BASE PLATE
NO SCALE

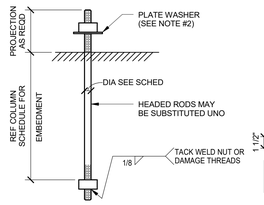


ALTERNATE INTERIOR
COLUMN BASE PLATE
NO SCALE

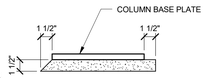
NOTE:
REF TYP COLUMN BASE PLATE FOR INFORMATION NOT NOTED.



TYP OFFSET BASE PLATE
NO SCALE



ANCHOR ROD DIAGRAM
NO SCALE



NON-SHRINK GROUT SHALL BE PLACED IMMEDIATELY AFTER COLUMN IS PLUMBED AND BEFORE DEAD LOADS ARE APPLIED.

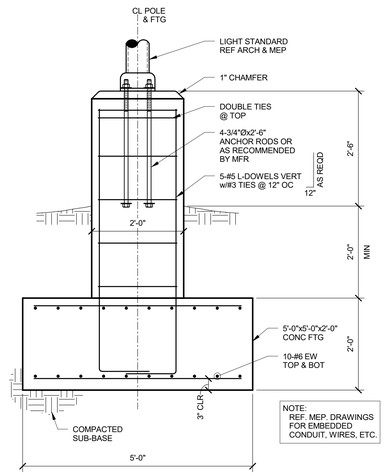
GROUT PLACEMENT
NO SCALE

COLUMN BASE PL SCHEDULE

COLUMN SIZE	BASE PLATE (LxWxT)	ANCHOR RODS (DIAMETER x EMBEDMENT)
HSS4x4	12"x12"x3/4"	4-3/4"x9" EMBED ASTM F1554 GRADE 36
HSS8x8	14"x14"x1"	4-3/4"x9" EMBED ASTM F1554 GRADE 36
HSS10x10	16"x16"x1"	4-3/4"x9" EMBED ASTM F1554 GRADE 36

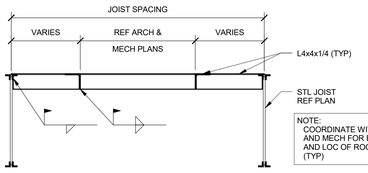
NOTES:
1. SIZE WELDS PER AISC MINIMUM FILLET REQUIREMENTS (4 SIDES TYP).
2. ANCHOR ROD HOLES IN BASE PLATES AND MINIMUM PLATE WASHER DIAMETER AND THICKNESS SHALL BE SIZED IN ACCORDANCE WITH TABLE 14-2 OF THE AISC MANUAL OF STEEL CONSTRUCTION, 14th Ed.
3. ANCHOR ROD NUTS SHALL BE ASTM A563.
4. ANCHOR ROD PLATE WASHERS SHALL BE ASTM A36 PLATE.

2 COLUMN BASE PLATE AND ANCHOR ROD DIAGRAMS
1 1/2" = 1'-0"



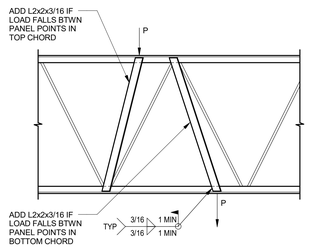
NOTE:
REF. MEP. DRAWINGS FOR EMBEDDED CONDUIT, WIRES, ETC.

7 TYP LIGHT STANDARD DETAIL
3/4" = 1'-0"



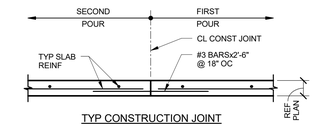
NOTE:
COORDINATE WITH ARCH AND MECH FOR EXACT SIZE AND LOC OF ROOF OPENINGS (TYP)

5 ROOF OPENING DETAIL
3/4" = 1'-0"

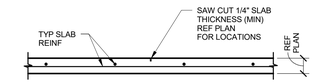


NOTE:
THIS DETAIL SHALL BE USED IF A NEW LOAD > 100 lbs. CANNOT BE LOCATED AT AN EXISTING JOIST PANEL POINT.

6 TYP JOIST REINFORCING DETAIL
3/4" = 1'-0"

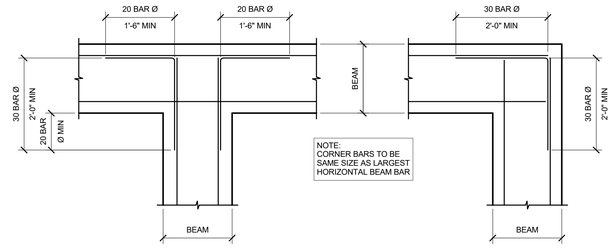


TYP CONSTRUCTION JOINT



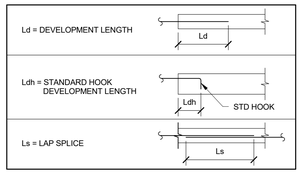
TYP CONTROL JOINT

3 SLAB SLAB-ON-GRADE JOINT DETAIL
3/4" = 1'-0"



NOTE:
CORNER BARS TO BE SAME SIZE AS LARGEST HORIZONTAL BEAM BAR

4 TYP CORNER BAR DETAIL
NTS



DEVELOPMENT LENGTH & LAP SPLICE SCHEDULE

fc (psi)	LOCATION	BAR SIZE																								
		#3			#4			#5			#6			#7			#8			#9			#10			#11		
		Ld	Ls	Ldh	Ld	Ls	Ldh	Ld	Ls	Ldh	Ld	Ls	Ldh	Ld	Ls	Ldh	Ld	Ls	Ldh	Ld	Ls	Ldh	Ld	Ls	Ldh	Ld	Ls	Ldh
3,000	HORIZONTAL REINF ABOVE 12" OF FRESH CONCRETE	22	28	6	29	38	8	36	47	10	43	56	12	63	81	14	72	93	16	81	105	18	91	118	20	101	131	22
3,000	VERTICAL AND OTHER HORIZONTAL REINFORCING	17	22	6	22	29	8	28	36	10	33	43	12	48	63	14	55	72	16	62	81	18	70	91	20	78	101	22
4,500	HORIZONTAL REINF ABOVE 12" OF FRESH CONCRETE	18	23	6	24	31	7	30	38	8	35	46	10	51	67	11	59	76	13	66	86	15	74	96	16	82	107	18
4,500	VERTICAL AND OTHER HORIZONTAL REINFORCING	14	18	6	18	24	7	23	30	8	27	35	10	40	51	11	45	59	13	51	66	15	57	74	16	64	82	18

NOTES:
1. ALL VALUES ARE INCHES.
2. CLASS B LAP SPLICES ARE SHOWN PER ACI 318-08.
3. MULTIPLY THE ABOVE LENGTHS BY THE FOLLOWING FACTORS:
   - 1.5 FOR EPOXY COATED REINFORCING WITH COVER LESS THAN 3db, OR CLEAR SPACING LESS THAN 6db
   - 1.2 FOR ALL OTHER EPOXY COATED BARS
   - 1.5 IF CLEAR SPACING OF BARS OR WIRES BEING DEVELOPED OR SPLICED IS LESS THAN 2.5db OR CLEAR COVER IS LESS THAN db
   - 1.3 FOR LIGHTWEIGHT CONCRETE
4. HORIZONTAL BARS IN WALLS SHALL BE PROVIDED WITH LAP SPLICES EQUAL TO HORIZONTAL TOP REINF ABOVE 12" OF FRESH CONCRETE.

8 DEVELOPMENT LENGTH & LAP SPLICE SCHEDULE
NTS

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Adam Harris 903.375.3303

05-24-2017

PROJECT NO: 15264 TX REG#2423
HUNT & JOINER, INC.
Consulting Structural Engineers

REV.	DATE	ISSUE TITLE
1	05-24-17	ISSUE FOR BID

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CINERGY AMARILLO

TYPICAL DETAILS

XXXXX
PROJECT NUMBER

S6
SHEET NUMBER