ABBREVIATIONS

(A)	ABOVE	FD	FLOOR DRAIN	P/C	PRECAST
AB	ANCHOR BOLT	FDN	FOUNDATION	PERP	PERPENDICULAR
ACI	AMERICAN CONCRETE INSTITUTE	FIN	FINISH, FINISHED	PJP	PARTIAL JOINT PENETRATION
		FF	FAR FACE	℄	PLATE (STEEL)
ADDL	ADDITIONAL	FLG	FLANGE	PL	PLATE (WOOD)
AGGR	AGGREGATE	FLR	FLOOR	PLCS	PLACES
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FOS	FACE OF STUDS	PLWD	PLYWOOD
		FRT	FIRE RETARDANT TREATED		
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION	FS	FAR SIDE	P/S	PRESTRESSED
		FT	FOOT, FEET	PSF	POUNDS PER SQUARE FOOT
ALT	ALTERNATE	FTG	FOOTING	PSI	POUNDS PER SQUARE INCH
ALUM	ALUMINUM	FUT	FUTURE	PSL	PARALLEL STRAND LUMBER
ARCH	ARCHITECT, ARCHITECTURAL	FV	FIELD VERIFY	PT	PRESERVATIVE TREATED
@	AT			P/T	POST TENSION
APPROX	APPROXIMATELY	GA	GAUGE, GAGE		
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	GALV	GALVANIZED	R	RADIUS
		GEN	GENERAL	RD	ROUND
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	GL	GLUE LAMINATED	REF	REFERENCE
		GND	GROUND	REINF	REINFORCING, REINFORCEMENT, REINFORCED
AWS	AMERICAN WELDING SOCIETY	GR	GRADE		
		GB	GYPSUM BOARD		
&	AND	GYP	GYPSUM	REQD	REQUIRED
				RO	ROUGH OPENING
(B)	BELOW	HDG	HOT DIPPED GALVANIZED		
B	BOTTOM (BEAM AND JOIST SCHEDULES ONLY)	HORIZ	HORIZONTAL	S	AMERICAN STANDARD STEEL SHAPE, SOUTH
		HP	HP STEEL SHAPE		
BD	BOARD			SCHED	SCHEDULE
℄	BUILDING LINE	HSB	HIGH STRENGTH BOLT	SECT	SECTION
BLDG	BUILDING	HSS	HOLLOW STRUCTURAL SECTION	SH PL	SHEAR PLATE
BLKG	BLOCKING	HT	HEIGHT	SHT	SHEET
BM	BEAM			SHTHG	SHEATHING
BOD	BOTTOM OF DECK	IBC	INTERNATIONAL BUILDING CODE	SIM	SIMILAR
BOT	BOTTOM			SIP	STRUCTURAL INSULATED PANEL
BRG	BEARING	ICF	INSULATED CONCRETE FORM		
BSMT	BASEMENT	ID	INSIDE DIAMETER	SLBB	SHORT LEGS BACK TO BACK
BTWN	BETWEEN	IF	INSIDE FACE		
		IN OR "	INCH	SMS	SHEET METAL SCREW
C	AMERICAN CHANNELS	INCL	INCLUDE	SP	SPIRAL
CG	CENTER OF GRAVITY	INSUL	INSULATION, INSULATED	SPA	SPACE, SPACING, SPACES
CJ	CONSTRUCTION JOINT	INT	INTERIOR		
CJP	COMPLETE JOINT PENETRATION			SPEC	SPECIFICATION
CIP	CAST-IN-PLACE	JT	JOINT	SQ	SQUARE
℄	CENTER LINE	JST	JOIST	SS	STAINLESS STEEL
CLG	CEILING			SSLT	SHORT SLOTTED HOLE
CLR	CLEAR	K	KIP, KIPS	ST	STRUCTURAL TEE FROM S SERIES SECTION
CMU	CONCRETE MASONRY UNIT	KSI	KIPS PER SQUARE INCH		
CO	CONCRETE OPENING			STD	STANDARD
COL	COLUMN	L	ANGLE	STIFF	STIFFENER
COMM	COMMON	LB OR #	POUND	STIRR	STIRRUP
CONC	CONCRETE	LGS	LIGHT GAGE STEEL	STL	STEEL
CONN	CONNECTION	LLBB	LONG LEG BACK TO BACK	STRUCT	STRUCTURAL
CONSTR	CONSTRUCTION	LLH	LONG LEG HORIZONTAL	SUPT	SUPPORT
CONT	CONTINUOUS	LLV	LONG LEG VERTICAL	SUSP	SUSPENDED
CONTR	CONTRACTOR	LONGIT	LONGITUDINAL	SYMM	SYMMETRICAL
CTJ	CONTROL JOINT, CONTRACTION JOINT	LRFD	LOAD AND RESISTANCE FACTOR DESIGN	T	TOP
				TC	TOP OF CURB
CTR	CENTER	LSL	LAMINATED STRAND LUMBER	T&G	TONGUE AND GROOVE
CTSK	COUNTERSUNK	LSLT	LONG SLOTTED HOLES	TEMP	TEMPERATURE, TEMPORARY
CU	CUBIC	LT	LIGHT		
		LT WT	LIGHT WEIGHT		
DBL	DOUBLE	LVL	LAMINATE VENEER LUMBER	THK	THICK
DEPT	DEPARTMENT	LVF	LOW VELOCITY FASTENER	THRU	THROUGH
DET	DETAIL			TOC	TOP OF CONCRETE
DIA, ø	DIAMETER	M	MISCELLANEOUS SHAPE	TOF	TOP OF FOOTING
DIAB	DRILLED-IN ADHESIVE BOLT	MAS	MASONRY	TOS	TOP OF STEEL
DIAG	DIAGONAL	MATL	MATERIAL	TOW	TOP OF WALL
DIAPH	DIAPHRAGM	MAX	MAXIMUM	TRANS	TRANSVERSE
DIEB	DRILLED-IN EXPANSION BOLT	MECH	MECHANICAL	TYP	TYPICAL
DIM	DIMENSION	MFR	MANUFACTURER		
DN	DOWN	MFRG	MANUFACTURING		
do	DITTO	MIN	MINIMUM	UL	UNDERWRITERS LABORATORY
DP	DEEP	MISC	MISCELLANEOUS		
DWG	DRAWING	MT	STRUCTURAL TEE FROM M SERIES SECTION	UON	UNLESS OTHERWISE NOTED
DWL	DOWEL			UT	ULTRASONIC TEST
		MTD	MOUNTED		
E	EAST	MTL	METAL	VEF	VERTICAL EACH FACE
(E)	EXISTING			VERT	VERTICAL
EA	EACH	N	NORTH	VIF	VERTICAL INSIDE FACE
EB	EXPANSION BOLT	NF	NEAR FACE	VOF	VERTICAL OUTSIDE FACE
EF	EACH FACE	NFS	NON FROST SUSCEPTIBLE		
EXJ	EXPANSION JOINT	NIC	NOT IN CONTRACT	W	WEST, W SERIES SECTION
EL	ELEVATION (HEIGHT)	No OR #	NUMBER		
ELEC	ELECTRICAL	NOM	NOMINAL	W/	WITH
ELEV	ELEVATOR	NS	NEAR SIDE	W/O	WITHOUT
ENCL	ENCLOSURE	NTS	NOT TO SCALE	WD	WOOD
ENGR	ENGINEER			WH	WEEP HOLE
EQ	EQUAL	OA	OVERALL	WHS	WELDED HEADED STUD
EQUIP	EQUIPMENT	OC	ON CENTER	WP	WORK POINT
ES	EACH SIDE	OD	OUTSIDE DIAMETER	WT	WEIGHT, STRUCTURAL TEE FROM W SERIES SECTION
EW	EACH WAY	OF	OUTSIDE FACE		
EXIST	EXISTING	OPNG	OPENING	WTS	WELDED THREADED STUD
EXP	EXPANSION	OPP	OPPOSITE	WWF	WELDED WIRE FABRIC
EXT	EXTERIOR	OSB	ORIENTED STRAND BOARD		
				YD	YARD
		OVS	OVERSIZED HOLES		

GENERAL STRUCTURAL NOTES

THE FOLLOWING NOTES APPLY UNLESS INDICATED OTHERWISE:

CODE:

INTERNATIONAL BUILDING CODE, 2006 EDITION, AND LOCAL AMENDMENTS.

DESIGN SOIL PRESSURE:

2500 PSF MAX DEAD + LIVE LOAD.

CAST FOOTINGS ON COMPACTED FILL, 2'-8" MINIMUM BELOW FINISHED GRADE. SPECIAL INSPECTION REQUIRED. CAST SLAB ON GRADE OVER COMPACTED GRANULAR FILL OVER COMPACTED SUBGRADE. CONSULT SOILS REPORT BY R&M ENGINEERING, INC. DATED JUNE 18, 2008 FOR FOUNDATION AND EXCAVATION INFORMATION.

DESIGN LIVE LOADS:

SNOW	=	Pg = 70 PSF, Pf = 50 PSF Ce = 1.0, Ct = 1.0, I = 1.0
SNOW DRIFT	=	PER ASCE 7-05
MEZZANINE FLOOR (STORAGE)	=	150 PSF, NOT REDUCIBLE
WIND	=	BUILDING OCCUPANCY CATEGORY II 120 MPH 3-SECOND GUST I = 1.0 EXPOSURE B (GCpi) = 0.18, qh = 23 PSF
COMPONENTS AND CLADDING		
WALL, WITHIN 5 FT OF OUTSIDE CORNERS	=	37 PSF
REMAINDER OF WALL	=	30 PSF
ROOF, WITHIN 5 FT OF ROOF CORNERS	=	69 PSF
WITHIN 5 FT OF ROOF EDGES	=	46 PSF
REMAINDER OF ROOF	=	27 PSF
SEISMIC		BUILDING OCCUPANCY CATEGORY II SEISMIC DESIGN CATEGORY D SOIL SITE CLASS D, I = 1.0 Ss = 0.64, S1 = 0.3, Sds = 0.55, Sd1 = 0.36

REINFORCED CONCRETE:

ALL CONCRETE - f'c = 4000 PSI, SUBMIT MIX DESIGN. SEE SPECIFICATIONS FOR ADMIXTURES. SPECIAL INSPECTION REQUIRED.

UNLESS OTHERWISE NOTED, REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. SUBMIT REINFORCING STEEL SHOP DRAWINGS WITH DETAILS PER ACI 315 MANUAL OF STANDARD PRACTICE.

ASTM A706, GRADE 60, REINFORCING STEEL SHALL BE USED FOR:
- WELDED OR FIELD-BENT BARS,

WELDED WIRE FABRIC PER ASTM A185. FURNISH IN FLAT SHEETS, NOT ROLLS. LAP EDGES 1 1/2 MESH MINIMUM.

CONCRETE COVER:
FOOTINGS 3". PILE CAPS 3". WALLS 1", EXCEPT 1 1/2" WHERE EXPOSED TO WEATHER AND 2" AGAINST EARTH. BEAMS AND COLUMNS 1 1/2" TO STIRRUPS OR TIES. SLABS AND JOISTS 1". SLABS ON GRADE 1 1/2".

FOOTINGS:
PROVIDE 2-#5 LONGITUDINAL BOTTOM BARS IN WALL FOOTINGS. PROVIDE CORNER BARS OF SAME SIZE AND NUMBER AT CORNERS AND INTERSECTIONS, 40 DIA. EACH LEG. FOOTINGS WITH FOUNDATION WALLS GREATER THAN 4'-0" HIGH, PROVIDE VERTICAL DOWELS OF SAME SIZE, NUMBER AND SPACING AS WALL VERTICAL BARS WITH A 90 DEGREE STANDARD HOOK AT THE BOTTOM OF THE FOOTING; FOR FOOTINGS WITH FOUNDATION WALLS LESS THAN 4'-0" HIGH, PROVIDE #4 @ 24 STUBS FULL HEIGHT OF WALL WITH A 90 DEGREE STANDARD HOOK AT THE BOTTOM OF THE FOOTING IN LIEU OF OTHER WALL REINFORCING, UNLESS OTHERWISE NOTED.

BEAMS AND SLABS:
RIGIDLY SUPPORT BARS WITH CONCRETE BLOCKS OR APPROVED ACCESSORIES. PROVIDE #5 SUPPORT BARS ALL SLABS.

WHERE MAIN SLAB BARS ARE PARALLEL TO A SUPPORT, PROVIDE #4 @ 12 TOP BARS EXTENDING 2'-0" BEYOND EACH FACE OF SUPPORT INTO SLAB.

WHERE SLAB IS ON ONE SIDE ONLY, PROVIDE A 90 DEGREE STANDARD HOOK AT DISCONTINUOUS FACE.

AT SLAB OPENINGS OVER 12" SQUARE, PROVIDE TWO ADDITIONAL BOTTOM MAIN SLAB BARS OR 2-#5 MINIMUM ON ALL FOUR SIDES OF THE OPENING EXTENDING 40 DIA. PAST OPENING. PROVIDE 1-#5x4'-0" DIAGONAL BOTTOM BAR ALL FOUR CORNERS.

WALLS:
REINFORCE AS FOLLOWS:
6" WALLS, #4 @ 12 HORIZONTAL AND VERTICAL @ CENTER OF WALL,
8" WALLS, #5 @ 12 HORIZONTAL AND VERTICAL @ CENTER OF WALL,

AT OPENINGS OVER 12" SQUARE, PROVIDE 2-#5 BARS AT CENTER OF WALL ALL FOUR SIDES, EXCEPT 10" WALLS AND OVER PROVIDE 1-#6 BAR EACH FACE ALL FOUR SIDES, EXTENDING 40 DIA. PAST OPENING. PROVIDE 1-#5x4'-0" DIAGONAL BAR AT CENTER OF WALL ALL FOUR CORNERS.

AT CORNERS, PROVIDE CORNER BARS IN OUTSIDE FACE OF SAME SIZE AND SPACING AS HORIZONTAL BARS, 40 DIA. EACH LEG.

AT INTERSECTIONS, PROVIDE CORNER BARS OF SAME SIZE, NUMBER AND SPACING AS HORIZONTAL BARS OF INTERSECTING WALL, 40 DIA. EACH LEG.

PROVIDE 2-#5 LONGITUDINAL BARS AT TOP OF WALLS. PROVIDE ROUGHENED SURFACE AT CONSTRUCTION JOINTS.

PROVIDE VERTICAL DOWELS OF SAME SIZE, NUMBER AND SPACING AS VERTICAL BARS.

GROUT:
GROUT - 5000 PSI MINIMUM 7-DAY CUBE STRENGTH PER ASTM C1107. GROUT TO BE PREMIXED, NONMETALLIC, SHRINKAGE-RESTISTANT GROUT PER ASTM C1107. USE SPECIFIC GROUT MIX RECOMMENDED BY MANUFACTURER FOR EACH GROUT APPLICATION AND FOLLOW MANUFACTURER'S INSTRUCTIONS.

ANCHOR BOLTS:
ANCHOR BOLTS, ASTM F1554 GRADE 36 (55, 105). SPECIAL INSPECTION REQUIRED. SET ALL ANCHOR BOLTS BY TEMPLATE.

DRILL-IN EXPANSION BOLTS:
"KWIK-BOLT II" BY HILTI FASTENING SYSTEMS, "REDHEAD WEDGE ANCHOR" BY ITW RAMSET/RED HEAD OR APPROVED EQUAL. ICC-ES CERTIFICATION REQUIRED. SPECIAL INSPECTION REQUIRED.

DRILL-IN ADHESIVE BOLTS:
"HIT HY-20" ADHESIVE ANCHOR SYSTEM BY HILTI FASTENING SYSTEMS FOR UNREINFORCED MASONRY OR BRICK WITH CAVITIES; "HIT HY-150" ADHESIVE ANCHOR SYSTEM BY HILTI FASTENING SYSTEMS OR "EPCON A7" ADHESIVE ANCHOR BY ITW RAMSET/RED HEAD FOR CONCRETE OR SOLID MASONRY OR BRICK OR APPROVED EQUAL. ICC-ES CERTIFICATION REQUIRED. SPECIAL INSPECTION REQUIRED.

STRUCTURAL STEEL:

ALL STEEL ASTM A992, EXCEPT WIDE FLANGE SECTIONS TO BE ASTM A992, OR A572-50. SPECIAL INSPECTION REQUIRED. FABRICATION AND ERECTION PER AISC SPECIFICATIONS. (FABRICATOR SHALL PARTICIPATE IN AISC QUALITY CERTIFICATION PROGRAM AND BE DESIGNATED AN AISC CERTIFIED PLANT, CATEGO RY [Cbd] [Sbd].) SUBMIT SHOP DRAWINGS.

WELDING PER AWS D1.1. MINIMUM SIZE WELDS 3/16" CONTINUOUS FILLET. WELDERS CERTIFIED PER AMERICAN WELDING SOCIETY FOR ROD AND POSITION. ELECTRODES SHALL BE E70XX MINIMUM, WITH MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT -20 DEG F.

HIGH-STRENGTH BOLTS PER ASTM A325. TYPICAL BOLTED CONNECTIONS - SNUG TIGHTENED, PRETENSIONED, SLIP CRITICAL TYPE. FAYING SURFACES IN BOLTED CONNECTIONS RESISTING SEISMIC LOADS SHALL BE PREPARED AS REQUIRED FOR CLASS A OR BETTER SLIP CRITICAL JOINTS. TENSION HIGH-STRENGTH BOLTS BY DIRECT TENSION INDICATOR METHOD USING LOAD INDICATOR DEVICES INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

APPLY ONE COAT OF SHOP PAINT TO ALL STEEL EXCEPT FOR CONTACT SURFACES IN BOLTED PARTS, SURFACES EMBEDDED IN CONCRETE, AREAS TO BE FIELD WELDED OR SURFACES WITH SPRAY-ON FIREPROOFING.

HEADED SHEAR STUDS - SHEAR STUDS PER ASTM A108, GRADES 1010 THRU 1020, HEADERS TYPE, AWS D1.1, TYPE B, AUTOMATICALLY END WELDED. USE 3/4" DIA. x 3" STUDS @ 12" OC MAXIMUM ON TOP OF ALL FLOOR BEAMS AND GIRDERS SUPPORTING A CONCRETE SLAB.

CAMBER BEAMS AS SHOWN ON PLANS.

STEEL JOISTS:

Fy = 50 KSI. STEEL JOISTS AND GIRDERS DESIGNED, MANUFACTURED AND INSTALLED PER STEEL JOIST INSTITUTE SPECIFICATIONS. ICC-ES CERTIFICATION REQUIRED.

CHORD SIZES INDICATED ON PLANS ARE MINIMUM ONLY. ROOF DESIGN DEAD LOAD - 22 PSF MINIMUM. DESIGN JOISTS FOR SUPPORT OF DEAD, LIVE, SNOWDRIFT AND WIND LOADS AND MECHANICAL EQUIPMENT, PIPING, PARTITIONS, ETC AS REQUIRED. COORDINATE WEIGHTS, LOCATIONS AND SUPPORT DETAILS. SUBMIT DESIGN CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN STATE OF ALASKA AND SHOP DRAWINGS. PROVIDE BRIDGING AND ERECTION BRACING PER MANUFACTURER'S INSTRUCTIONS. PROVIDE STANDARD JOIST CAMBER.

STEEL DECKING:

STEEL DECKING DESIGNED, MANUFACTURED AND INSTALLED PER STEEL DECK INSTITUTE SPECIFICATIONS. ICC-ES CERTIFICATION REQUIRED. SUBMIT SHOP DRAWINGS. G60 GALVANIZED FINISH ON ALL DECKING.

FLOOR DECKING - 1-1/2" DP x 18 GA COMPOSITE DECK, Imin = 0.302 IN4 PER FOOT, Smin = 0.322 IN3 PER FOOT, CONTINUOUS OVER 3 SPANS MINIMUM. DESIGN COMPOSITE FLOOR DECK AS A FORM PER AISI AND SDI SPECIFICATIONS AND PROVIDE EMBOSSMENTS AND INDENTATIONS IN THE DECK TO DEVELOP COMPOSITE ACTION WITH THE CONCRETE FILL. CONCRETE FILL OVER FLOOR DECK - 2-1/2" THICK, f'c = 3000 PSI.

FASTEN FLOOR DECK UNITS TO STEEL AT TRANSVERSE AND END SUPPORTS WITH 3/4" DIAMETER SPOT WELDS AT 12" ON CENTER. FASTEN UNITS TO STEEL AT SIDE SUPPORTS WITH 3/4" DIAMETER SPOT WELDS AT 12" ON CENTER. FASTEN SIDE LAPS OF ADJACENT UNITS WITH BUTTON PUNCH AT 24" ON CENTER.

ROOF DECKING - 1-1/2" x 20 GA, Imin = 0.216 IN4 PER FOOT, Smin = 0.235 IN3 PER FOOT, CONTINUOUS OVER 3 SPANS MINIMUM. DIAPHRAGM SHEAR CAPACITY - 506 PLF. ANCHOR TO SUPPORTS TO RESIST A 20 PSF UPLIFT.

FASTEN ROOF DECK UNITS TO STEEL AT TRANSVERSE AND END SUPPORTS WITH 3/4" DIAMETER SPOT WELDS AT 12" ON CENTER. FASTEN UNITS TO STEEL AT SIDE SUPPORTS WITH 3/4" DIAMETER SPOT WELDS AT 12" ON CENTER. FASTEN SIDE LAPS OF ADJACENT UNITS WITH BUTTON PUNCH AT 12" ON CENTER.

PROVIDE ADDITIONAL STEEL REINFORCEMENT AND CLOSURE PIECES AS REQUIRED FOR STRENGTH, CONTINUITY OF DECKING AND SUPPORT OF OTHER WORK.

DEFERRED SUBMITTALS:

REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR DEFERRED SUBMITTALS.

SPECIAL INSPECTION:

THE FOLLOWING SPECIAL INSPECTIONS SHALL BE PERFORMED BY QUALIFIED PERSONNEL EMPLOYED BY THE OWNER OR THE OWNER'S AGENT. THE OWNER OR THE OWNER'S AGENT SHALL SUBMIT INSPECTORS' RESUMES TO THE JUNEAU BUILDING DEPARTMENT FOR APPROVAL. THE CONTRACTOR SHALL COORDINATE WORK WITH THE SPECIAL INSPECTORS.

SPECIAL INSPECTORS SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. INSPECTION REPORTS SHALL BE FURNISHED TO THE JUNEAU BUILDING DEPARTMENT, OWNER AND THE ARCHITECT. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND TO THE ATTENTION OF THE ARCHITECT.

THE SPECIAL INSPECTORS SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTORS' KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE APPLICABLE CODES.

PROVIDE THE FOLLOWING SPECIAL INSPECTIONS PER SECTION 1704 OF THE 2006 INTERNATIONAL BUILDING CODE (IBC):

SOILS:
PRIOR TO PLACING FILL OR FOUNDATIONS DETERMINE THAT SOILS HAVE BEEN PREPARED IN ACCORDANCE WITH SOILS REPORT (SPECIFICATIONS). DURING PLACEMENT OF FILL CONFIRM THAT MATERIALS PLACED AND MAXIMUM LIFT COMPLY WITH SOILS REPORT (SPECIFICATIONS). DETERMINE THAT COMPACTION IS IN ACCORDANCE WITH SOILS REPORT (SPECIFICATIONS).

REINFORCING STEEL:
PRIOR TO CLOSING THE FORMS AND DELIVERY OF CONCRETE TO THE SITE. DURING ALL WELDING OF REINFORCING STEEL.

REINFORCED CONCRETE:
DURING THE TAKING OF TEST SPECIMENS FOR SLUMP, AIR ENTRAINMENT, AND COMPRESSIVE STRENGTH CYLINDERS AND PLACING OF CONCRETE, FOR A MINIMUM OF ONE HOUR AT THE BEGINNING OF EACH POUR.

BOLTS INSTALLED IN CONCRETE:
PRIOR TO AND DURING THE PLACEMENT OF CONCRETE AROUND BOLTS.

ADHESIVE ANCHORS INSTALLED IN CONCRETE OR MASONRY:
DURING THE DRILLING AND PLACEMENT OF ANCHORS IN ACCORDANCE WITH ADHESIVE ANCHOR MANUFACTURER'S ICC EVALUATION SERVICE REPORT.

STRUCTURAL STEEL:
VERIFY MATERIALS, WELDING PROCEDURES, AND WELDERS' QUALIFICATIONS PRIOR TO START OF WORK.

MAKE PERIODIC INSPECTIONS OF WORK IN PROGRESS AND PRIOR TO COMPLETION A VISUAL INSPECTION OF ALL SINGLE PASS FILLETS, FLOOR AND ROOF DECK WELDING AND WELDED HEADED STUDS. PROVIDE FULL TIME INSPECTIONS OF ALL MULTI-PASS FILLETS AND GROOVE WELDS INCLUDING ALL TESTING BY ULTRASONIC OR RADIOGRAPHIC METHODS.

PERIODIC INSPECTION OF HIGH STRENGTH BOLTED CONNECTIONS TO VERIFY THE PLIES OF CONNECTED MEMBERS HAVE BEEN DRAWN TOGETHER.

MISCELLANEOUS:

CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. THE EXISTING CONDITIONS SHOWN ON THE DRAWINGS ARE BASED ON EITHER SITE OBSERVATION, ORIGINAL DRAWINGS OR WERE ASSUMED BASED ON EXPECTED CONDITIONS. IF THE EXISTING CONDITIONS DO NOT CLOSELY MATCH THE CONDITIONS SHOWN ON THE DRAWINGS, OR IF THE EXISTING MATERIALS ARE OF QUESTIONABLE OR SUBSTANDARD QUALITY, NOTIFY THE ARCHITECT PRIOR TO COMMENCING ANY WORK.

DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER.

REFER TO ARCHITECTURAL DRAWINGS FOR WALL OPENINGS, ARCHITECTURAL TREATMENT AND DIMENSIONS NOT SHOWN.

REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF DUCT OPENINGS, PIPING, CONDUITS, ETC, NOT SHOWN.

SHOP DRAWINGS SHALL BE SUBMITTED AND REVIEWED PRIOR TO FABRICATION.

PROVIDE TEMPORARY ERECTION BRACING AND SHORING AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.

REFER TO SPECIFICATIONS FOR INFORMATION NOT CONTAINED IN THESE GENERAL NOTES.

ONE INCH AT FULL SIZE

1"

IF NOT ONE INCH, SCALE ACCORDINGLY

STATE OF ALASKA
FORREST T. BRAUN
May 20, 2010
CE 4599
REGISTERED PROFESSIONAL ENGINEER

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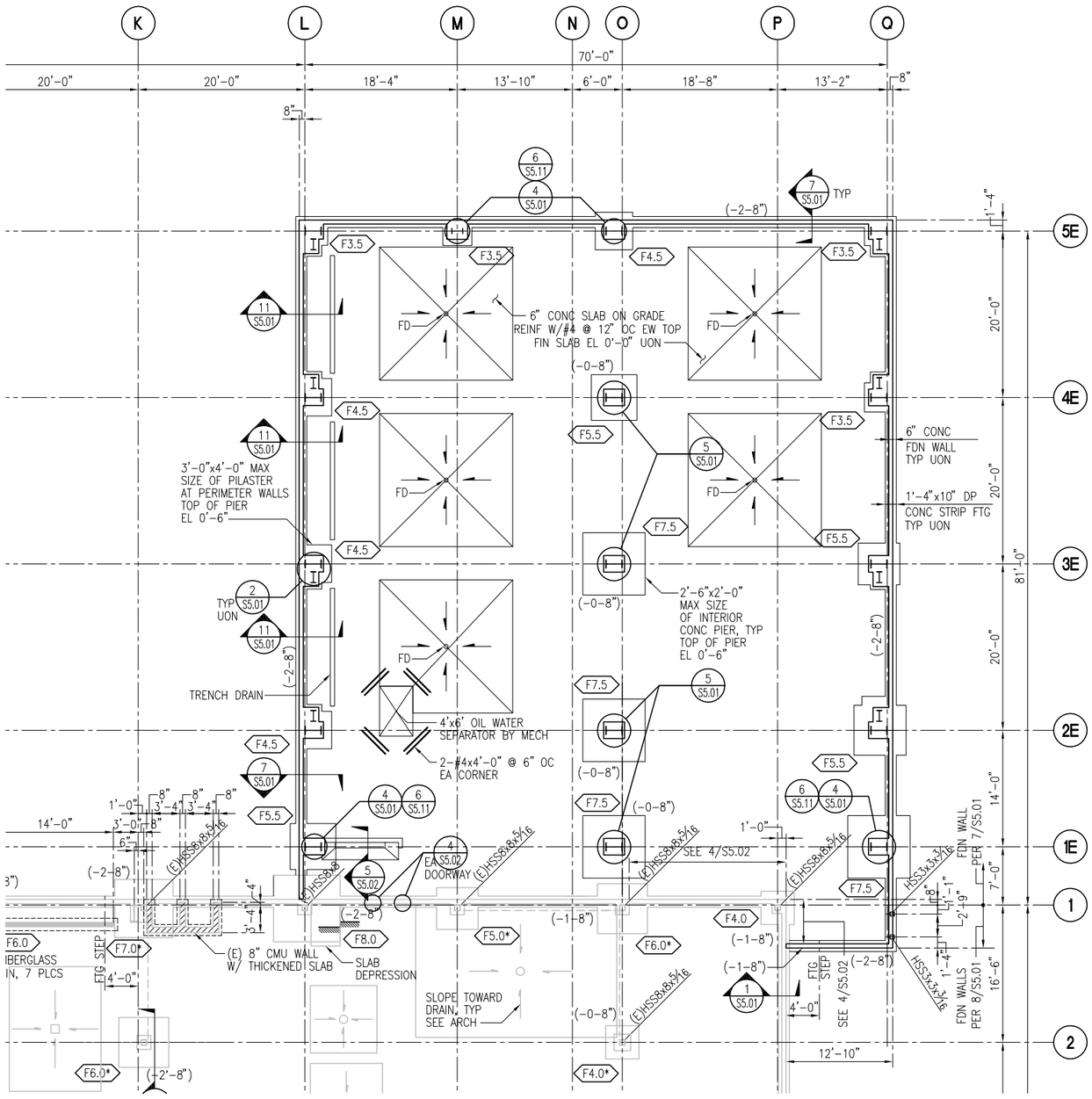
ALASKA'S CAPITAL CITY
DEPARTMENT OF ENGINEERING

CONSOLIDATED PUBLIC WORKS FACILITY
STREET WINGS ADDITION, E10-273

STRUCTURAL GENERAL NOTES AND ABBREVIATIONS

SHEET NO. S0.01

TOTAL SHEETS 25-72



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FOUNDATION PLAN 1
SCALE: 1/8" = 1'-0" S1.01

FOOTING SCHEDULE			
TYPE	SIZE	REINFORCING	REMARKS
F3.5	3'-6"SQx24" THK	5-#6 EW BOT	
F4.5	4'-6"SQx24" THK	6-#6 EW BOT	
F5.5	5'-6"SQx24" THK	7-#6 EW BOT	
F7.5	7'-6"SQx24" THK	7-#7 EW BOT	

NOTES:

1. CONTRACTOR FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO START OF WORK.
2. ELEVATIONS NOTED ARE WITH RESPECT TO FIRST FLOOR DATUM OF 0'-0".
3. SPREAD FOOTINGS ARE NOTED THUS F#.# SEE SHT S1.01 FOR SCHEDULE.
4. TOP OF FOOTING EL IS NOTED THUS: (X'-Y").
5. PLACE CONSTRUCTION AND CONTROL JOINTS AT COLUMN LINES AND AT INTERMEDIATE POINTS SO DISTANCE BETWEEN JOINTS DOES NOT EXCEED 22'-0". SEE 1/S5.02.
6. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION FOR SLAB DEPRESSIONS. SEE 2/S5.02.
7. SEE 3/S5.02 FOR STEPPED FOOTING DETAIL.
8. FOR PRICING PURPOSES, ASSUME 96 HEADED ANCHOR BOLTS WILL BE REQUIRED AT COLUMNS: 1" DIAMETER, 2'-6" LONG, ASTM F1554 GRADE 36. ACTUAL ANCHOR BOLT DESIGN IS CONTINGENT ON PREMANUFACTURED METAL BUILDING SUPPLIER'S STRUCTURAL DESIGN.

ONE INCH AT FULL SIZE
1"
IF NOT ONE INCH, SCALE ACCORDINGLY

STATE OF ALASKA 49TH
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STRUCTURAL
FOUNDATION PLAN

SHEET NO.
S1.01
TOTAL SHEETS
26-72

Path: Q:\2008\208033 CBJ Public Works\Street Wings\208033_SE101-SE102.dwg Plot date: May 20, 2010-0424h20pm CAD User: dnafter.
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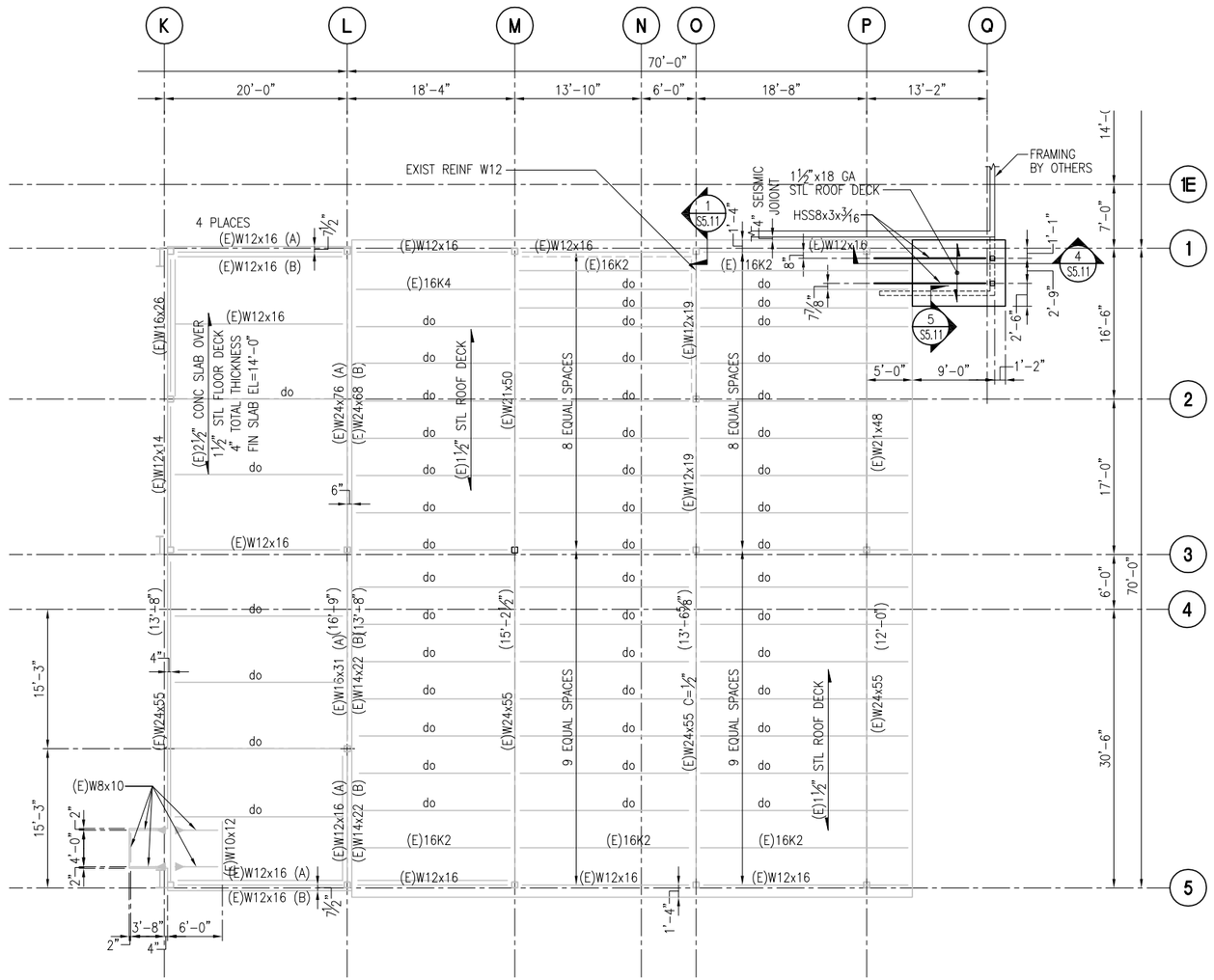

N

PARTIAL ROOF FRAMING PLAN 1/S1.02
SCALE: 1/8" = 1'-0"

NOTES:

1. CONTRACTOR FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO START OF WORK.
2. ELEVATIONS NOTED ARE WITH RESPECT TO FIRST FLOOR DATUM OF 0'-0"
3. – – – – – – DENOTES EXISTING BRACED FRAME.
4. BOTTOM OF DECK ELEVATION IS NOTED THUS: (X'-X").
5. DESIGN NET WIND UPLIFT = 20 PSF.

ONE INCH AT FULL SIZE
1"
IF NOT ONE INCH, SCALE ACCORDINGLY

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May 20, 2010
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DRAWN BY: JWC	DESIGNED BY: FTB	CHECKED BY: AKA	DATE: MAY 2010

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ALASKA'S CAPITAL CITY
DEPARTMENT OF ENGINEERING

CONSOLIDATED PUBLIC WORKS FACILITY
STREET WINGS ADDITION, E10-273

STRUCTURAL
PARTIAL ROOF FRAMING PLAN

SHEET NO. S1.02
TOTAL SHEETS 27-72

Path: Q:\2008\208033 CBJ Public Works\Street Wings\208033_SE101-SE102.dwg Plot date: May 20, 2010-04:04:20pm CAD User: drafter.
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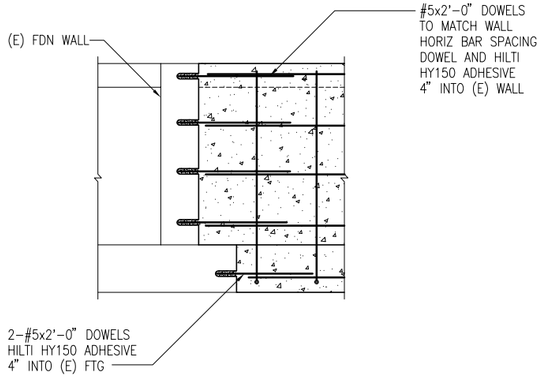
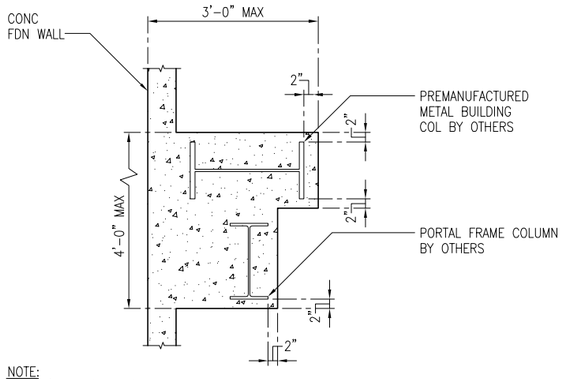
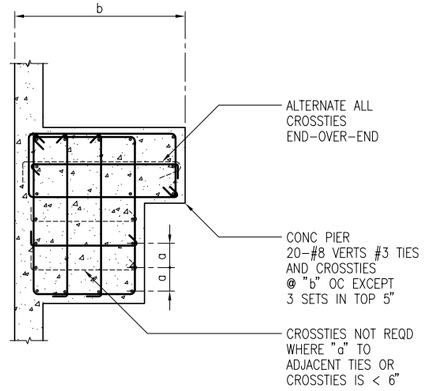


FDN TO (E) FDN 1
SCALE: 3/4" = 1'-0" S1.01

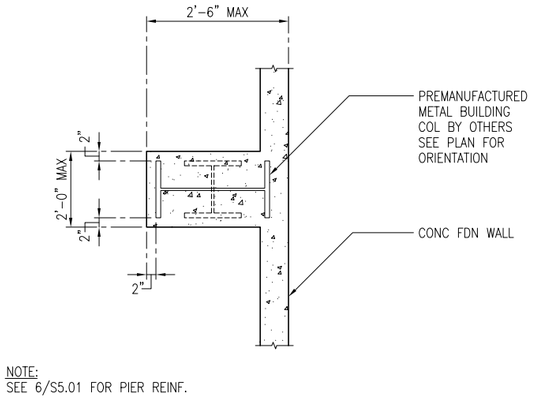


NOTE:
SEE 3/S5.01 FOR PIER REINF.

PERIMETER PILASTER SIZE-2 COLUMNS 2
SCALE: 3/4" = 1'-0" S1.01

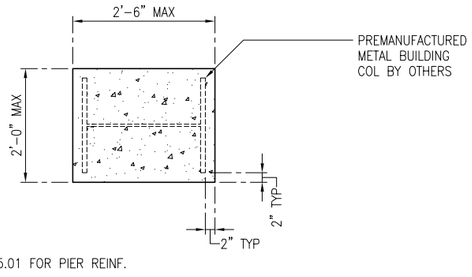


PERIMETER PILASTER W/ 2 COLUMNS 3
SCALE: 3/4" = 1'-0" S5.01

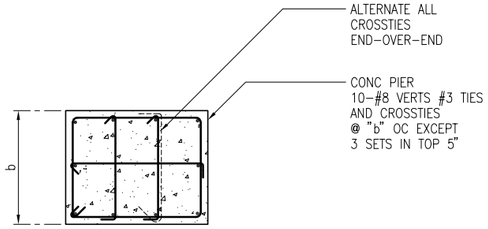


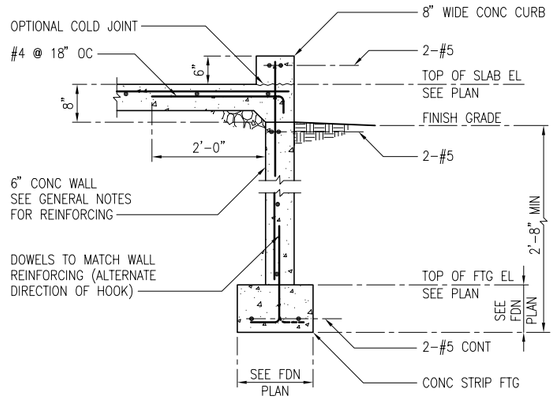
NOTE:
SEE 6/S5.01 FOR PIER REINF.

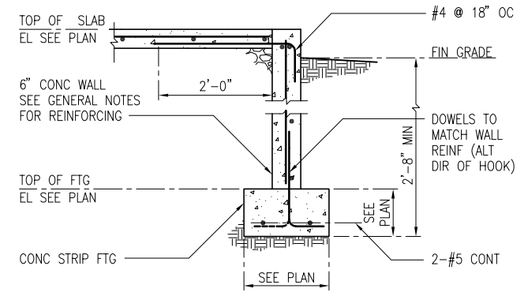
PERIMETER PILASTER SIZE - 1 COLUMN 4
SCALE: 3/4" = 1'-0" S1.01



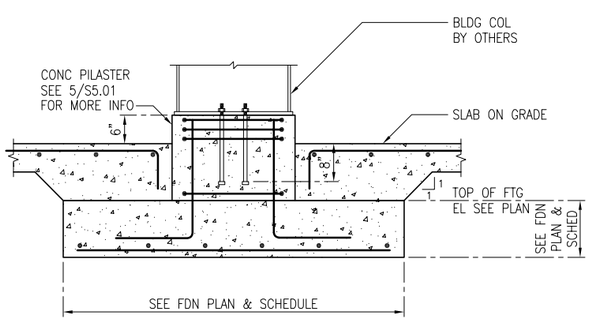
NOTE:
SEE 6/S5.01 FOR PIER REINF.



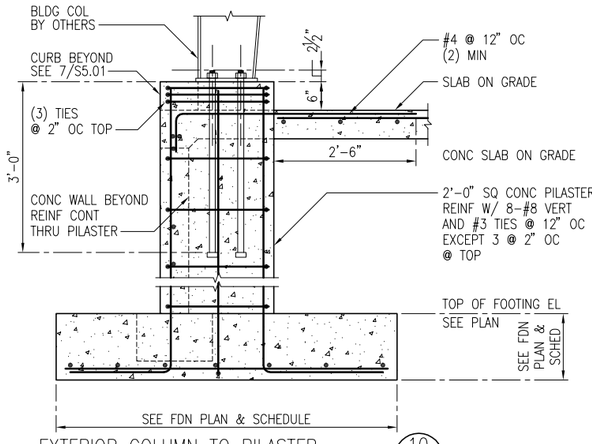




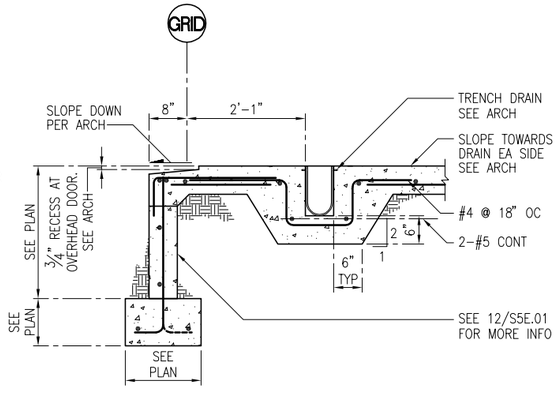
INTERIOR PIER SIZE 5
SCALE: 3/4" = 1'-0" S1.01



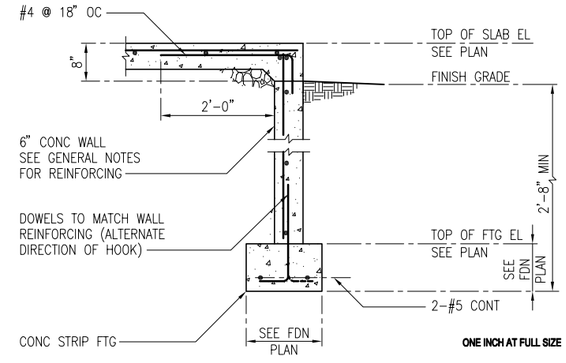
PEIR REINFORCING 6
SCALE: 3/4" = 1'-0" S5.01



FDN WALL AT OPENING AND AT CURB 7
SCALE: 3/4" = 1'-0" S1.01



TYP FDN WALL AND FOOTING 8
SCALE: 3/4" = 1'-0" S1.01



INTERIOR COLUMN TO FOOTING 9
SCALE: 3/4" = 1'-0" S1.01

EXTERIOR COLUMN TO PILASTER 10
SCALE: 3/4" = 1'-0" S1.01

PERIMETER TRENCH DRAIN 11
SCALE: 3/4" = 1'-0" S1.01

FDN WALL AT OPENING AND AT CURB 12
SCALE: 3/4" = 1'-0" S1.01

ONE INCH AT FULL SIZE
1"
IF NOT ONE INCH, SCALE ACCORDINGLY

STATE OF ALASKA
49TH
FORREST T. BRAUN
May 20, 2010
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DEPARTMENT OF ENGINEERING

CONSOLIDATED PUBLIC WORKS FACILITY
STREET WINGS ADDITION,
E10-273

STRUCTURAL
FOUNDATION DETAILS

SHEET NO.
S5.01

TOTAL SHEETS
28-72

Path: Q:\2008\208033 CBJ Public Works\Street Wings\208033_S5S01.dwg Plot date: May 20, 2010-04:24:25pm CAD User: drafter.
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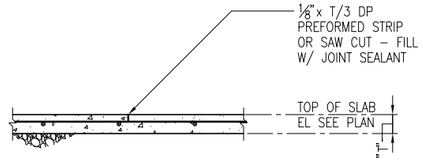
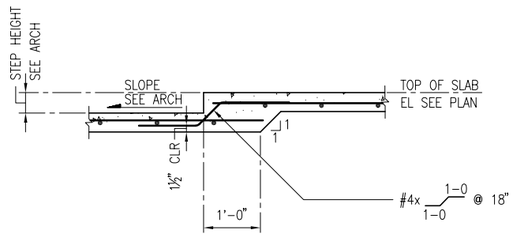
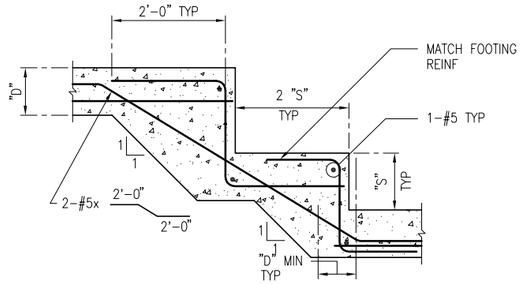


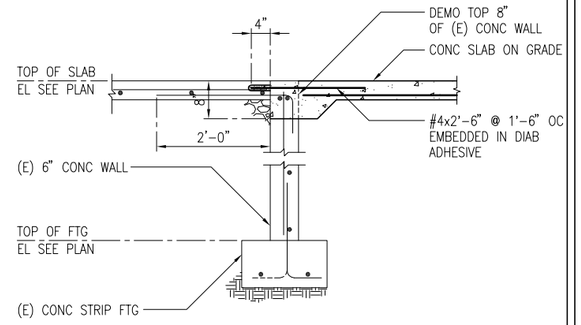
CONTROL JOINT 1 S1.01
SCALE: 3/4" = 1'-0"



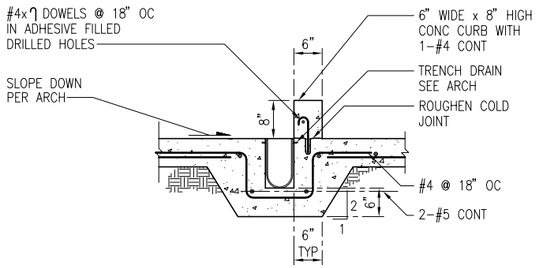
SLAB STEP 2 S1.01
SCALE: 3/4" = 1'-0"



STEPPED FOOTING 3 S1.01
SCALE: 3/4" = 1'-0"



TYP FDN WALL AND FOOTING 4 S1.01
SCALE: 3/4" = 1'-0"



BOOT WASH TRENCH DRAIN 5 S1.01
SCALE: 3/4" = 1'-0"

ONE INCH AT FULL SIZE
1"
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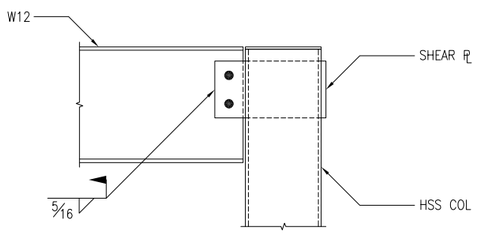
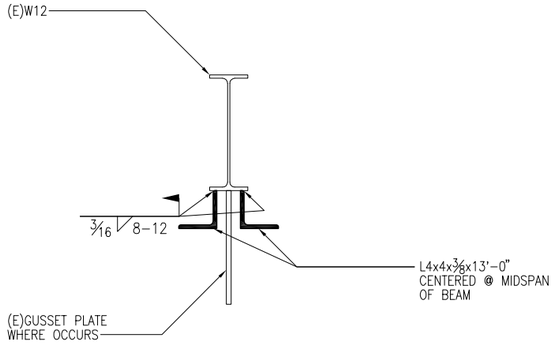
E10-273

STRUCTURAL
FOUNDATION DETAILS

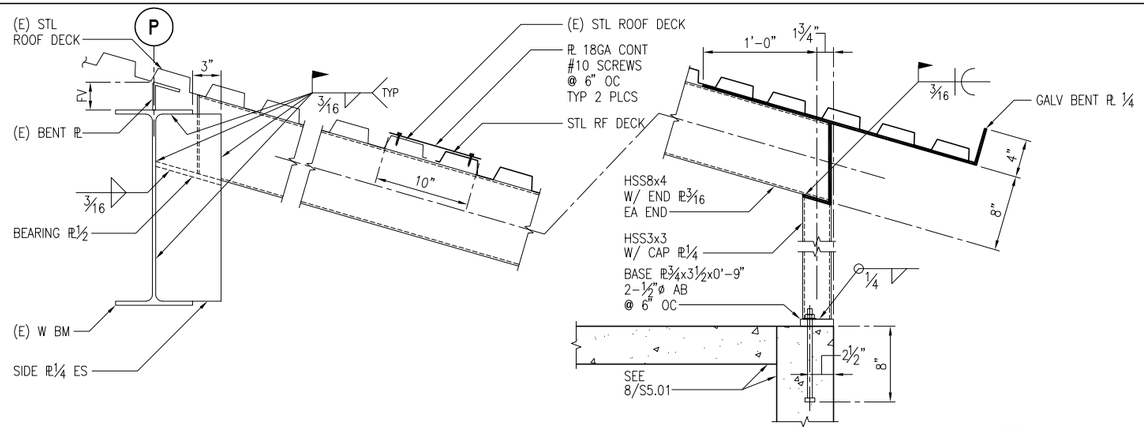
SHEET NO. S5.02
TOTAL SHEETS 29-72



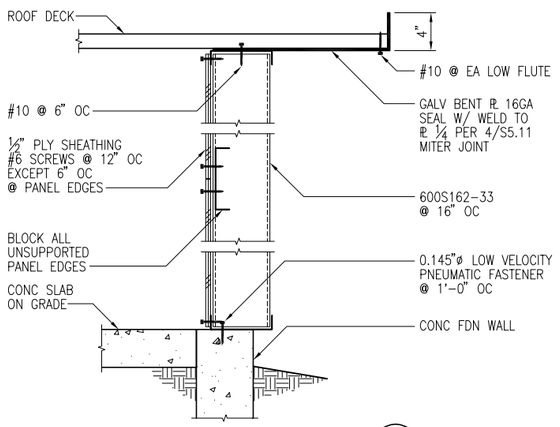
WELD SHEAR PLATE TO BM WEB (1) S1.02
SCALE: 1 1/2" = 1'-0"



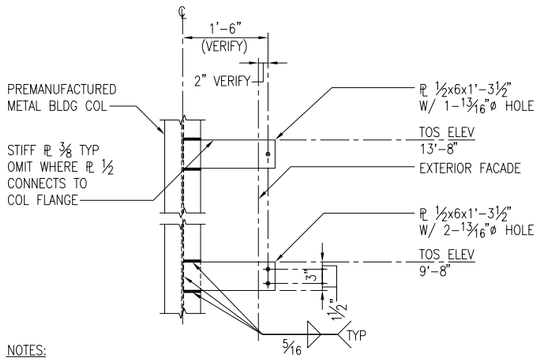
UPGRADE W12 (2) S1.02
SCALE: 1 1/2" = 1'-0"



LOW ROOF FRAMING (4) S1.02
SCALE: 1 1/2" = 1'-0"



WALL FRAMING (5) S1.02
SCALE: 1 1/2" = 1'-0"



NOTES:
1. CONNECTIONS OCCUR AT ALL PERIMETER BUILDING COLUMNS.
2. PREMANUFACTURED METAL BUILDING SUPPLIER SHALL INCLUDE LOAD FROM FUTURE CANOPY IN DESIGN OF COLUMN: ASD DEAD LOAD OF 2K VERTICAL AND 6.5 K-FT MOMENT PLUS ASD SNOW LOAD OF 10K VERTICAL & 35 K-FT MOMENT.

FUTURE CANOPY CONNECTIONS (6) S1.01
SCALE: 3/4" = 1'-0"

ONE INCH AT FULL SIZE
1"
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STRUCTURAL FRAMING DETAILS

SHEET NO. S5.11
TOTAL SHEETS 30-72

Path: Q:\2008\208033 CBJ Public Works\Street Wings\208033_SE511.dwg Plot date: May 20, 2010-04:24:30pm CAD User: drafter.
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