	S	KA(
PROJECT TEAN			
OWNER			
	SKAGIT COUNTY 1800 CONTINENTAL PLACE MOUNT VERNON, WA 98273	KEN HANSEN 360-416-1179 KHANSEN@CO.SKAGIT.WA.US	VICINITY M/
ARCHITECT	SKAGIT COUNTY 1800 CONTINENTAL PLACE MOUNT VERNON, WA 98273 DLR GROUP 51 UNIVERSITY ST SUITE 600 SEATTLE, WA 98101	KEN HANSEN 360-416-1179 KHANSEN@CO.SKAGIT.WA.US RYAN WHITE 206-461-6000 RWHITE@DLRGROUP.COM	VICINITY MA
ARCHITECT STRUCTURAL ENGINEER	SKAGIT COUNTY 1800 CONTINENTAL PLACE MOUNT VERNON, WA 98273 DLR GROUP 51 UNIVERSITY ST SUITE 600 SEATTLE, WA 98101 DLR GROUP 51 UNIVERSITY ST SUITE 600 SEATTLE, WA 98101	KEN HANSEN 360-416-1179 KHANSEN@CO.SKAGIT.WA.US RYAN WHITE 206-461-6000 RWHITE@DLRGROUP.COM ROBERT LAWSON 360-605-0019 RLAWSON@DLRGROUP.COM	Excel Dairy Se
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COUNTY COMMUNITY USTICE CENTER

D

PHYSICAL BARRIERS

С

201 SUZANNE LANE MOUNT VERNON, WA 98273

PERMIT SET

MAY 9, 2025



BUILDING CODE INFORMATION

APPLICABLE CODES: 2021 INTERNATIONAL BUILDING CODE (IBC) W/ AMENDMENTS

EXISTING OCCUPANCY GROUP(S)

-3 = CONDITION 4 (PRIMARY BUILDING USE) I-3 = CONDITION 3 (PROGRAMS WING)

B = BUSINESS (ADMINISTRATIVE AREAS, CONTROL ROOM, MULTIPURPOSE ROOMS, BUILDING MECHANICAL/SERVICE AREAS) A-3 = ASSEMBLY AT COURTROOM

I-2 = CARE SUITE (MAX. 8 CARE RECIPIENT BEDS AND MAX. 5,000 S.F.)

ALL OCCUPANCIES TREATED AS NONSEPARATED OCCUPANCIES PER 508.3. ALLOWABLE AREA CALCULATIONS AND MOST RESTRICTIVE PROVISIONS OF CHAPTER 9 SHALL APPLY TO THE TOTAL NONSEPARATED OCCUPANCY AREA. PROVISIONS OF CHAPTER 4 ARE LIMITED TO THE REFERENCED OCCUPANCY AREA ONLY.

REF. CP SERIES FOR EXISTING CODE ANALYSIS - FOR REFERENCE ONLY.

EXISTING CONSTRUCTION TYPE(S) TYPE IIB, REF. CP1.01 FOR EXISTING CODE ANALYSIS - FOR REFERENCE ONLY

EXISTING FLOOR AREAS FIRST FLOOR: 88,519 SF MEZZANINE: 12,235 SF

EXISTING BUILDING TOTAL FLOOR AREA 100,754 SF - REF. CP SERIES FOR EXISTING CODE ANALYSIS - FOR REFERENCE ONLY.

EXISTING BUILDING HEIGHT 30'-0" - REF. CP SERIES FOR EXISTING CODE ANALYSIS & ALLOWABLE HEIGHT - FOR REFERENCE ONLY.

EXISTING FIRE SUPPRESSION SYSTEM SUPERVISED AND MONITORED AUTOMATIC SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED THROUGHOUT. INSTITUTIONAL HEADS TO BE USED WHERE PRONE TO TAMPERING. STANDPIPE HOSE CONNECTION PROVIDED AS PER IBC 905.4(6). NO CONNECTIONS PROVIDED ADJACENT TO HORIZONTAL EXITS FOR AREA REACHABLE FROM EXTERIOR DOOR CONSISTENT WITH IBC 905.4(2) PROVISIONS FOR DISTANCE FROM EXIT STAIR HOSE CONNECTION, PORTABLE FIRE EXTINGUISHER LOCATIONS IDENTIFIED IN ACCORDANCE WITH PROVISIONS OF IBC 906.2, REF. CP SERIES FOR EXISTING CODE ANALYSIS - FOR REFERENCE ONLY.

EXISTING FIRE ALARM SYSTEM FIRE ALARM AND OCCUPANT NOTIFICATION SYSTEM TO BE DESIGNED AND INSTALLED PER 907 EXCEPT AS OTHERWISE APPROVED IN ACCORDANCE WITH NFPA 72 AS PERMITTED BY IFC 901.2. SMOKE DETECTION IN GROUP I-3 TO BE IN ACCORDANCE WITH IBC 907.2.6.3.3 AND 909.12.3; AND IN GROUP I-2 PER NFPA 101-18.2.5.7.2.1(D)(2). REF. CP SERIES FOR EXISTING CODE ANALYSIS - FOR REFERENCE ONLY.

EXISTING SMOKE CONTROL SYSTEM ENGINEERED SMOKE CONTROL SYSTEM TO PROVIDE A TENABLE ENVIRONMENT FOR EXITING FROM THE SMOKE COMPARTMENT IN AREA OF FIRE ORIGIN IN ACCORDANCE WITH IBC SECTION 909 FOR EACH GROUP I-3 WINDOWLESS SMOKE COMPARTMENT AS PER IBC 408.9.REF. CP SERIES FOR EXISTING CODE ANALYSIS - FOR REFERENCE ONLY.

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S1.0	

GENERAL



	А
GENEI	RAL ABBREVIATIONS
#	NUMBER
&	AND
@	AT
ADA	AMERICANS WITH DISABILITY ACT
ADDN	ADDITION OR ADDITIONAL
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
BLDG	BUILDING
BSMT	BASEMENT
CL	CENTER LINE
CLG	CEILING
CM	CENTIMETER
CONC	CONCRETE
CONN(S)	CONNECTION(S)
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACT(OR)
CTR	CENTER
D	DEPTH
DEG	DEGREE
DEMO	DEMOLISH OR DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DIV	SPECIFICATION DIVISION
DN	DOWN
DTL	DETAIL
DWG(S)	DRAWING(S)
E	EAST
EA	EACH
EC	ELECTRICAL CONTRACTOR
EL	ELEVATION
ELEC	ELECTRICAL
ENG	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
EXST	EXISTING
EXT	EXTERIOR
FIN	FINISHED
FL	FLOOR
FT	FEET
FUT	FUTURE
GC	GENERAL CONTRACTOR
GOVT	GOVERNMENT
H	HEIGHT
HORIZ	HORIZONTAL
HT	HEIGHT
i.e.	THAT IS
IBC	INTERNATIONAL BUILDING CODE
IN	INCH
INT	INTERIOR
LB(S)	
w M	METER

ARCHITECTURAL ABBREVIATIONS

ANUN	ITECTURAL ADDREVIATION	0
A/E	ARCHITECT/ENGINEER	GMP
AB	AIR BARRIER	GR
ABS	ASBESTOS	GR
ACC	ADA ACCESSIBLE	GRS
ACR	ACRYLIC	GWB
ACT AD	ACOUSTIC CEILING TILE ACCESS DOOR	GYP
ADJ	ADJUSTABLE	HC
ADJT	ADJACENT	HD
ADMIN	ADMINISTRATION	HDF
AEC	AUTOMATED EXTERNAL DEFIBRILLATORS ALUMINUM	HDR HDWD
ALUM	ALUMINUM	HDWR
AP	ACCESS PANEL	HM
APC	ACOUSTIC PANEL CEILING	HR
ASPH	ASPHALT	HR
AUTO	AUTOMATIC	HS
AVG	AVERAGE	HSS
AWP	ACOUSTIC WALL PANEL	HVAC
B.O.	BOTTOM OF BABY CHANGING STATION	IAW
BD	BOARD	IF
BLK	BLOCK	IIP
BLKG BLKHD BM(S)	BLOCKING BULKHEAD	IJ IJS
BM(S) BOT BRDG	BEAM(S) BOTTOM BRIDGING	INC
BRG	BEARING	JAN
BRKT	BRACKET	JBE
BTWN	BATHTOB BETWEEN	JCT JFB JST
CAB CBD	CABINET CHALKBOARD	JT
CER CF	CERAMIC CUBIC FEET CONTRACTOR EURNISHED CONTRACTOR INSTALLED	КСЈ КD
CFMF CG	COLD-FORMED METAL FRAMING CLEAR FLOAT GLASS	KIT
CI	CAST IRON	L
CIG	CLEAR INSULATING GLASS	LAB
CJ CJA	CAST IN PLACE CONTROL JOINT CONTROL JOINT ABOVE	LAW LAV LBR
CLO	CLOSET	LDG
CLR	CLEAR	LF
CMU COL COM	CONCRETE MASONRY UNIT COLUMN COMMON	LG LG
COMB	COMBINATION COMMUNICATIONS	LINO LKR
COMPR	COMPRESSIBLE	LOC
CONF	CONFERENCE	LONG
CONFIG	CONFIGURATION	LSC
CORR	CORRIDOR	LTG
CP	COVER PLATE	LV
CPT CR	CARPET CHAIR RAIL	LVT
CS	COUNTERSINK	MAG
CSTJ	CONSTRUCTION JOINT	MAINT
CSWK	CASEWORK	MAN
CT	CERAMIC TILE	MAS
CTG	CLEAR TEMPERED FLOAT GLASS	MATL
CTIG CU	CLEAR TEMPERED INSULATING GLASS COPPER COMBINATION UNIT	MB MBD
CV	CONDOM VENDOR	MC
CY	CUBIC YARD	MEMB
CYL	CYLINDER	MH MR/S
DB	DECIBEL	MTD
DBL	DOUBLE	MTG
DC	DUST COLLECTOR	MUL
DEPR DEPT	DEPRESS(ION)(ED) DEPARTMENT	NC
DET DF DG	DETENTION DRINKING FOUNTAIN DOOR GRILLE	NFPA NOM
DIAG	DIAGONAL	O to O
DPFG	DAMPROOFING	OA
DR DSN DW	DOOR DOWNSPOUT NOZZLE	OFCI OFF
DWL(S)	DOWEL(S)	OH
DWR	DRAWER	OPG(S)
EB	EXPANSION BOLT	OSHA OTB
EEW EEWS	EACH END EMERGENCY EYE WASH EMERGENCY EYE WASH SHOWER	P
EFF	EFFICIENCY	PAN B
EJ	EXPANSION JOINT	PB
ELAS ELEV EMER	ELEVATOR EMERGENCY	PC PCD PCT
ENCL	ENCLOSURE	PD
ENTR	ENTRANCE	PERF
EKF	EPOXY RESIN FLOORING	PERP
EUI	ENERGY USE INTENSITY	PG
EW	EACH WAY	PIC
EWC	ELECTRIC WATER COOLER	PIG
EXP	EXPANSION	PL
EXP F	EXPOSED	PL PL PLAM
F.O.	FACE OF	PLBG
FAB	FABRICATE(D)	PR
FB	FACE BRICK	PREFAB
FD	FLOOR DRAIN	PROJ
FDN	FOUNDATION	PS
FE	FIRE EXTINGUISHER	PT
FEC	FIRE EXTINGUISHER CABINET	PT
FF	FINISH FLOOR	PTD
FH	FIRE HYDRANT	PTD/R
FHC	FIRE HOSE CABINET	PTN
FIG FIX	FIGURE	PVC PWL
FLASH FLEX	FLASHING FLEXIBLE FLOODING	QT OTB BN
FLG FLM FLUOR	FLUORING FULL LENGTH MIRROR FLUORESCENT	R
FO	FINISH OPENING	RAD
FOC	FACE OF CONCRETE	RB
FOF FOM FOS	FACE OF FINISH FACE OF MASONRY FACE OF STUD	RCP RD
FOW	FACE OF WALL	REF
FP	FIREPROOFING	REFL
FR	FIRE RESISTANT	REM
FRP	FIBERGLASS REINFORCED PANEL	RESIL
FRT	FIRE RESISTANCE TREATED	RF
FS	FLOOR SINK	RF
FSS	FOLDING SHOWER SEAT	RFM
FTG	FOOTING	RH
FVC	FIRE VALVE CABINET	RI&C
G	GROUT	S SAT
GA	GAUGE	SAW
GAL	GALLON	SB
GALV	GALVANIZED	SC
GB	GRAB BAR	SC
GD	GARBAGE DISPOSAL	SCD
GEN	GENERAL	SCH
GFA	GROSS FLOOR AREA	SCR
GL	GLUE LAMINATED	SCT
GL	GLASS	SD

MAX

MC

MECH

MEZZ

MFR

MIN

MM

Ν N/A

NIC

NTS

OC

OPP

OVHD

PAR

PENT

QTY

REQ(D)

REV

RM

RND

SECT

SHT

SIM

SPEC

STD

STL

STOR

TEMP

TYP

UNEX

UNFIN

UNO

VERT

VEST

VIF

W

W/

W/O

STRUCT SYM

S SCHED

PLYWD

MISC

MAXIMUM

MECHANICAL

MEZZANINE

MILLIMETER

MINIMUM

NORTH

MANUFACTURER

MISCELLANEOUS

NOT APPLICABLE

NOT TO SCALE

ON CENTER

OPPOSITE

OVERHEAD

PARALLEL

PLYWOOD

QUANTITY

REQUIRE(D)

REVISION(S)

ROOM

ROUND

SOUTH

SCHEDULE

SECTION

SHEET

STEEL

SIMILAR

STANDARD

STORAGE

STRUCTURAL

SYMETRICAL

TEMPORARY

UNEXCAVATED

UNLESS NOTED OTHERWISE

UNFINISHED

VERTICAL

VESTIBULE

WEST

WITH

WITHOUT

VERIFY IN FIELD

TYPICAL

SPECIFICATION(S)

PENTHOUSE

NOT IN CONTRACT

MECHANICAL CONTRACTOR

В

GUARANTEED MAXIMUM PRICE	SF	SOLIARE FEET
GUARD RAIL	SG	SPANDREL GLASS
GRADE	SGL	SINGLE
GALVANIZED RIGID STEEL	SH	SHOWER
GYPSUM WALL BOARD	SHM	SECURITY HOLLOW METAL
GYPSUM	SLNT	SEALANT
	SM	SHEET METAL
HOLLOW CORE	SND	SANITARY NAPKIN DISPOSAL
HAND DRYER	SNV	SANITARY NAPKIN VENDOR
HIGH DENSITY FIBERBOARD	SPL	SOUND PRESSURE LEVEL
HEADER	SQ	SQUARE
HARDWOOD	SS	SOLID SURFACE
	SSA	
	333 997	
	ST	STAINLESS STEEL
HARDWARE SET	ST	STAIR
HOLLOW STRUCTURAL SHAPE	STAG'D	STAGGERED
HEATING VENTILATING AND AIR CONDITIONING	STC	SOUND TRANSMISSION CLASS
	STGR	STRINGER
IN ACCORDANCE WITH	SUBFL	SUBFLOOR
INSIDE DIAMETER	SURF	SURFACE
INSIDE FACE	SUSP	SUSPENDED
INSULATED INFILL PANEL GLASS	SVF	SHEET VINYL FLOORING
	-	
	I&G	
	т.U. там	
JANITOR		TOWEL BAR
JOIST BEARING FLEVATION	TRD	TACK BOARD
JUNCTION	TCP	TOILET COMPARTMENT PARTITION
JOINT FILLER BOARD	TERR	TERRAZZO
JOIST	TFG	TINTED FLOAT GLASS
JOINT	TG	TEMPERED GLASS
	TH	THRESHOLD
KEYED CONSTRUCTION JOINT	ТНК	THICK(NESS)
KNOCKDOWN	TI	TENANT IMPROVEMENT
KITCHEN HOOD	TIG	TINTED INSULATING GLASS
KITCHEN	TMR	TILT MIRROR UNIT
	TOIL	TOILET
ANGLE	TOP	TOP OF PAVING
	TTG	TUILET TISSUE DISPENSER TINTED TEMPERED EL OAT GLASS
	TTIG	TINTED TEMPERED INSULATING GLASS
LINEAR FOOT	TW	TACK WALL
LENGTH (LONG)		
LAMINATED GLÁSS	UL	UNDERWRITERS LABORATORIES
LINEAR	UR	URINAL
LINOLEUM	US	UTILITY SHELF
LOCKER	UTIL	UTILITY
LOCATION		
LONGITUDINAL	VB	VAPOR BARRIER
	VB	
	VCB	
	VF	
MAGNETIC	VP	VENEER PLASTER
MAINTENANCE	VT	VINYL TILE
MANUAL	VWC	VINYL WALL COVERING
MASONRY		
MATERIAL	W	WIDE
MOP BASIN	WB	WALL BASE
MARKER BOARD	WC	WATER CLOSET
MOP/BROOM HOLDER	WC	WALL COVERING
	WCL	WATER CLOSET/LAVATORY COMBINATION
	WD	
MOUNTING	WI	WROUGHT IRON
MULLION	WOM	WALK OFF MAT
	WR	WASTE RECEPTACLE
NOISE CRITERIA	WRB	WEATHER RESISTANT BARRIER
NATIONAL FIRE PROTECTION ASSOCIATION	WW	WARM WHITE
NOMINAL	WWF	WELDED WIRE FABRIC
OUT TO OUT	YD	YARD
OVERALL		
OWNER FURNISHED CONTRACTOR INSTALLED		
ΟΓΕΙΝΙΝΟ(Ο) ΟΡΕRATIONAL SAFETY ΔΝΟ ΗΕΔΙ ΤΗ ΔΟΜΙΝΙΘΤΟΛΤΙΟΝ		
OPEN TO BELOW		
OVERFLOW		
PAINT		

PARTICLE BOARD PRECAST CONCRETE PAPER CUP DISPENSER PORCELAIN CERAMIC TILE PANIC DEVICE PERFORATED PERPENDICULAR PATTERN GLASS

PORTABLE INSTRUMENT CONNECTION PATTERN INSULATING GLASS PLATE PROPERTY LINE

PLASTIC LAMINATE PLASTIC LAMINATE PLUMBING PAIR

PREFABRICATED PROJECT(OR) (ION) PROJECTION SCREEN

POINT POINT OF TANGENCY

PAPER TOWEL DISPENSER COMBINATION TOWEL DISPENSER/RECEPTACLE

PARTITION POLYVINYL CHLORIDE

SOUND POWER LEVEL QUARRY TILE

ND QUARTER ROUND

RISER RADIUS RUBBER BASE

REMOTE CONTROL REFLECTED CEILING PLAN ROOF DRAIN REFERENCE

REFLECTED REMOVABLE RESILIENT

RESILIENT FLOORING RUBBER FLOOR RECESSED FLOOR MAT

ROBE HOOK ROUGH IN AND CONNECT

SINK SPRAYED ACOUSTIC TREATMENT SOUND ABSORBING WALL UNITS

SPLASH BLOCK SOLID CORE

SHOWER CURTAIN SEAT COVER DISPENSER SHOWER CURTAIN HOOK

SHOWER CURTAIN ROD STRUCTURAL CLAY TILE

SOAP DISPENSER SECRETARY

SECY

GENERAL SY	MBOLS		
?	 DETAIL NUMBER CROSS REFERENCE 		EARTH
	— SHEET NUMBER		GRAVEL
XX (A4.XX)	BUILDING ELEVATION		SAND
XX		2 A	CONCRETE
XX A12.X XX	INTERIOR ELEVATION	4. 4.	PRECAST CONCRETE
			STEEL
	- SIMILAR OR TYPICAL		STONE
? SIM	REFERENCE WALL SECTION		CONCRETE MASONRY L BRICK VENEER
	DETAIL REFERENCE		STEEL (LARGE SCALE)
			WOOD (CONTINUOUS BLOCKIN WOOD (NON-CONTINUOUS BLO
711 711	BUILDING SECTION		WOOD (TRIM/FINISH)
(x)	SHEET NOTE		GLASS
			PLYWOOD (LARGE SCAL
?	REFERENCE KEYNOTE		GYPSUM WALL BOARD
2	COLUMN GRID LINE		BLANKET INSULATION
···			RIGID INSULATION
ROOM NAME ???	ROOM NUMBER/NAME		SPRAY FOAM INSULATIO
			MINERAL WOOL INSULA
	REVISION NUMBER		PROTECTION BOARD
LEVEL XX XXX'-XX"	LEVEL ELEVATION		
TYP FF EL= 100'-0"	FINISH FLOOR ELEVATION		
100'-0"	SPOT ELEVATION		

ARCHITECTURAL SYMBOLS

XX/A11.X XX XX/A11.X XX	CASEWORK ELEVATION
A110	DOOR NUMBER
A124	INTERIOR WINDOW NUMBER
?	EXTERIOR WINDOW / CURTAIN WALL NUMBER
(XX. X. XX)	WALL TYPE
APC-1 - CEILING TYPE 9' - 0" - CEILING HEIGHT	CEILING TYPE





	E		F
	CODE STUDY		BOUNDARY LEGEND:
	APPLICABLE CODES: 2012 INTERNATIONAL BUILDING CODE (IBC) W/ AMENDMENTS 2012 INTERNATIONAL MECHANICAL CODE (IMC) W/ AMENDMENTS 2012 INTERNATIONAL FIRE CODE (IFC) W/ AMENDMENTS 2012 LIFE SAFETY CODE (NFPA 101) IN GROUP I-2 W/ WA DEPARTMENT OF HEALTH AMENDMENTS 2012 UNIFORM PLUMBING CODE (UPC) W/ AMENDMENTS 2012 WASHINGTON STATE ENERGY CODE 2014 NATIONAL FLECTRIC CODE W/ AMENDMENTS	AT BUILDINGS OF DIFFERENT ROOF LEVELS, FIRE WALL SHALL EXTEND 30 INCHES ABOVE LOWER ROOF, WITH MINIMUM 1-HOUR FIRE-RATED EXTERIOR WALL FOR 15 FEET ABOVE LOWER ROOF, UNLESS LOWER ROOF ASSEMBLY IS 1-HOUR FIRE RATED MINIMUM 10 FEET FROM FIRE WALL, SUPPORTED BY 1-HOUR FIRE-RATED STRUCTURE. FINISHES: WALL AND CEILING FINISH REQUIREMENTS AS FOLLOWS:	AREA BOUNDARY OCCUPANCY BOUNDARY FIRE SEPARATION (2-HR) FIRE WALL (2-HR) AND SM
	OCCUPANCY CLASSIFICATION: I-3 = CONDITION 4 (PRIMARY BUILDING USE) I-3 = CONDITION 3 (PROGRAMS WING) B = BUSINESS (ADMINISTRATIVE AREAS, CONTROL ROOM, MULTIPURPOSE ROOMS, BUILDING MECHANICAL/SERVICE AREAS) A-3 = ASSEMBLY AT COURTROOM I-2 = CARE SUITE (MAX. 8 CARE RECIPIENT BEDS AND MAX. 5,000 S.F.) ALL OCCUPANCIES TREATED AS NONSEPARATED OCCUPANCIES PER 508.3. ALLOWABLE AREA CALCULATIONS AND MOST RESTRICTIVE PROVISIONS OF CHAPTER 9 SHALL APPLY TO THE TOTAL NONSEPARATED OCCUPANCY AREA. PROVISIONS OF CHAPTER 4 ARE LIMITED TO THE REFERENCED OCCUPANCY AREA ONLY. CONSTRUCTION TYPE: TYPE IIB ALLOWABLE HEIGHT (TABLE 503 AND 504.2): 75' WITH SPRINKLERS, EXCEPT I-2: 55' ALLOWABLE STORIES (TABLE 503 AND 504.2): 2 STORIES WITH SPRINKLERS, EXCEPT I-2: 1 STORY TABULAR AREAS: I-3 = 10,000 SQ. FT. A-3 = 9,500 SQ. FT. I-2 = 11 000 SQ. FT.	 INTERIOR EXIT STAIRS AND PASSAGES I-2 AND A-3 AND B = CLASS B I-3 = CLASS A CORRIDORS & ENCLOSURES FOR EXIT ACCESS STAIRS I-2 AND A-3 = CLASS B B = CLASS C I-3 = CLASS A (C ALLOWED AS WAINSCOT MATERIAL) ROOMS AND ENCLOSED SPACES I-2 = CLASS B OTHERS = CLASS C (INCL. I-2 ROOMS WITH LESS THAN 4 PERSONS) MEANS OF EGRESS MINIMUM HEIGHT CLEARANCE: 7'-6" (6'-8" ALLOWED AT PROTRUDING OBJECTS) WIDTHS: STAIRWAYS = 0.3 INCHES/OCCUPANT BUT NOT LESS THAN: 44 INCHES 36 INCHES IF SERVING AN OCCUPANT LOAD LESS THAN 50 OTHER MEANS OF EGRESS COMPONENTS = 0.2 INCHES/ OCCUPANT BUT NOT LESS THAN: FGRESS DOORS CLEAR WIDTH = 32" MIN 	EXTERIOR FIRE-RATED WA FIRE BARRIER (1-HR) SMOKE BARRIER (1-HR) SMOKE PARTITION CORRIDOR PARTITION CORRIDOR PARTITION SMOKE RESISTANT CONST SMOKE-TIGHT CONSTRUC 2" EXPANSION JOINT EQUIPMENT PLATFORM HORIZONTAL MECHANICAL
-	AREA INCREASES: Aa = [At + [At * If] + [At * Is] Aa: ALLOWABLE BUILDING AREA PER STORY At: TABULAR BUILDING AREA PER STORY PER TABLE 503 If: AREA INCREASE FACTOR DUE TO FRONTAGE If = [F/P-0.25]W/30 F: BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING 20 FT MIN WIDTH P: PERIMETER OF ENTIRE BUILDING W: WIDTH OF PUBLIC WAY OR OPEN SPACE	EGRESS DOORS CLEAR WIDTH = 32 MiN DOORS TO SLEEPING UNITS IN I-3 = 28" MIN CORRIDOR WITH GURNEY TRAFFIC = 72" MIN FOR BED MOVEMENT IN I-2 CORRIDOR = 96" MIN DOORS-CLEAR OPENING 36" = 32" CLEAR = 160 PEOPLE 42" = 38" CLEAR = 190 PEOPLE 48" = 44" CLEAR = 220 PEOPLE COMMON PATH OF TRAVEL (MAXIMUM TRAVEL DISTANCE ALLOWED BEFORE 2 EGRESS PATHS ARE AVAILABLE)	HORIZONTAL CONTINUITY SMOKE BARRIER PUBLIC MODE NOTIFICATION UNLESS OTHERWISE NOTIFICATION UNLESS OTHERWISE NOTIFICATION
	Is: AREA INCREASE FACTOR DUE TO SPRINKLER PROTECTION AREA 1: A-3; IIB If = $[702 / 1063 - 0.25] 30 / 30 = 0.410$ Aa = $[9,500 + [9,500 * 0.410] + [9,500 * 3]] = \frac{41,895}{1000000000000000000000000000000000000$	A-3 = 75' I-2 = 75' B = 100' I-3 = 100' EXIT ACCESS TRAVEL DISTANCE: A-3 = 250' I-2 = 100' (CARE SUITE) B = 300' I-3 = 200' NUMBER OF EXITS: MORE THAN ONE EXIT MUST BE PROVIDED FOR	ZONE A (AREA SMOKE DETECTION CIRCULATION SPACES) ZONE B (AREA SMOKE DETECTION
	Aa = $[10,000 + [10,000 * 0.216] + [10,000 * 3]] = 42,160$ AREA 3: I-3, IIB If = $[357 / 667 - 0.25] 30 / 30 = 0.285$ Aa = $[10,000 + [10,000 * 0.285] + [10,000 * 3]] = 42,850$	OCCUPANT LOAD ABOVE THE FOLLOWING: A-3 AND B 49 PERSONS I-2 10 PERSONS I-3 10 PERSONS (IN AREAS WITHOUT SMOKE DETECTION OR STAFF SUPERVISION - IBC COMMENTARY)	ZONE C (AREA SMOKE DETECTION
	MEZZANINES DO NOT CONTRIBUTE TO BUILDING AREA OR STORIES PER 505.2 BUT SHALL BE USED IN CALCULATIONS FOR FIRE AREA. MEZZANINES ARE TO BE LESS THAN OR EQUAL TO 1/2 OF THE FLOOR AREA OF THE ROOM IN WHICH IT IS LOCATED AND SHALL HAVE 7'-0" MIN CLEAR ABOVE AND BELOW. SECOND TIER OF HOUSING PODS AND CONTROL ROOM ARE CLASSIFIED AS MEZZANINE SPACE.	WHERE MORE THAN ONE EGRESS IS REQUIRED, DOORS MUST BE SEPARATED MINIMUM 1/3 DIAGONAL DISTANCE OF THE ROOM. THE FORCE TO OPEN HORIZONTAL SLIDING DOOR SHALL NOT EXCEED 50 POUNDS WITH A 50-POUND PERPENDICULAR FORCE AGAINST THE DOOR.	ZONE D (AREA SMOKE DETECTION ZONE E
	TOTAL AREA OF MEZZANINES AND UNOCCUPIED ELEVATED EQUIPMENT PLATFORMS SHALL NOT EXCEED 2/3 OF THE FLOOR AREA OF THE ROOM IN WHICH THEY ARE LOCATED. HAZARDOUS MATERIALS	INTERIOR SPACE DIMENSIONS OF HABITABLE SPACES (IBC 1208): MINIMUM ROOM WIDTH: 7'-0" MINIMUM CEILING HEIGHT: 7'-6" PROVISIONS FOR CONTINUOUS AND UNOBSTRUCTED PASSAGE THROUGH SALLYPORTS DURING AN EMERGENCY EGRESS CONDITION	SYMBOL LEGEND: #### OCCUPANT LOAD
	MAXIMUM ALLOWABLE QUANTITIES PER IBC TABLE 307.1(1) FOR WELDING AREA INCLUDE: FLAMMABLE GAS (STORAGE): 2,000 CU.FT. AT NTP FLAMMABLE GAS (CLOSED USE): 2,000 CU.FT. AT NTP OXIDIZING GAS (STORAGE): 3,000 CU.FT. AT NTP OXIDIZING GAS (CLOSED USE): 3,000 CU.FT. AT NTP CONTROL AREA SEPARATION PER IBC 414.2: 1-HOUR	SHALL BE PROVIDED. DOORS IN MEANS OF EGRESS SERVING SPACES OCCUPIED BY PERSONS WHOSE MOVEMENTS ARE CONTROLLED FOR SECURITY REASONS MAY BE EQUIPPED WITH EGRESS CONTROL DEVICES WHICH SHALL UNLOCK MANUALLY AND AUTOMATICALLY PER IBC 1008.1.9.10 (AND PER NFPA 101-18.2.2.2.6 WHEN SERVING GROUP I-2).	A. OCCUPANT LOAD AT EX B. CUMMULATIVE OCCUP/ C. EXIT CAPACITY OF DOC STAIR = 0.3"/OCCUP/ OTHER = 0.2"/OCCUF
	REQUIRED SEPARATIONS INCIDENTAL USES REQUIRING SEPARATION PER TABLE 509 ROOM WITH BOILERS OVER 15PSI & 10HP (SMOKE-RESISTANT) LAUNDRY ROOM OVER 100 SQ. FT. (SMOKE-RESISTANT) WASTE AND LINEN COLLECTION IN I-2 (1-HOUR)	FIRE PROTECTION SUPERVISED AND MONITORED AUTOMATIC SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED THROUGHOUT. INSTITUTIONAL HEADS TO BE USED WHERE PRONE TO TAMPERING.	SMOKE COMPARTMENT EXARROWS INDICATE DIREC
	LABORATORY IN I-2 (SMOKE-RESISTANT) SECONDARY POWER SOURCE AND TRANSFER SWITCHES (1-HR, 909.11) GROUP I-2 (2-HR, NFPA 101-18.1.3.4) BOILER AND FUEL-FIRED HEATER ROOM (NFPA 101-18.3.2.1)	STANDPIPE HOSE CONNECTION PROVIDED AS PER IBC 905.4(6). NO CONNECTIONS PROVIDED ADJACENT TO HORIZONTAL EXITS FOR AREA REACHABLE FROM EXTERIOR DOOR CONSISTENT WITH IBC 905.4(2) PROVISIONS FOR DISTANCE FROM EXIT STAIR HOSE CONNECTION.	CLASS I STANDPIPE HOSE
	SMOKE BARRIERS SMOKE BARRIERS SHALL BE PROVIDED FOR ANY AREA OCCUPIED BY SLEEPING RESIDENTS TOTALING 50 OR MORE PERSONS AND SHALL BE DIVIDED INTO TWO SMOKE COMPARTMENTS PER 408.6. EACH SMOKE COMPARTMENT SHALL NOT HOUSE MORE THAN 200 RESIDENTS.	PORTABLE FIRE EXTINGUISHER LOCATIONS IDENTIFIED IN ACCORDANCE WITH PROVISIONS OF IBC 906.2. FIRE ALARM FIRE ALARM AND OCCUPANT NOTIFICATION SYSTEM TO BE DESIGNED	FACP FIRE ALARM CONTROL PAR (FACP) REMOTE ALARM ANNUNCI
	AREA SEPARATION FIRE WALL CONTINUITY AREAS TO BE SEPARATED WITH 2 HOUR FIRE WALLS PER 706.4. WALLS TO MAINTAIN A FIRE RESISTANCE RATING UP TO 4' ON ADJACENT WALLS TO MAINTAIN CONTINUITY PER 706.5.1. PER 706.6 FIRE WALLS	AND INSTALLED PER 907 EACEPT AS OTHERWISE APPROVED IN ACCORDANCE WITH NFPA 72 AS PERMITTED BY IFC 901.2. SMOKE DETECTION IN GROUP I-3 TO BE IN ACCORDANCE WITH IBC 907.2.6.3.3 AND 909.12.3; AND IN GROUP I-2 PER NFPA 101-18.2.5.7.2.1(D)(2).	FIRE FIGHTER'S SMOKE CO (FSCP)
	SHALL CONTINUE 30" ABOVE ROOF OR BY EXCEPTION 2, ROOFS SHALL MAINTAIN A FIRE RESISTANCE RATING OF ONE HOUR FOR 4' HORIZONTALLY AND HAVE NO OPENINGS WITHIN THE 4' HORIZONTAL DISTANCE. PARAPETS AT EXTERIOR RATED WALLS SHALL EXTEND 18" ABOVE ROOF SURFACE REQUIRED UNLESS ROOF AND DECK IS ENTIRELY OF NON COMBUSTIBLE MATERIALS.	SINICKE CONTROL ENGINEERED SMOKE CONTROL SYSTEM TO PROVIDE A TENABLE ENVIRONMENT FOR EXITING FROM THE SMOKE COMPARTMENT IN AREA OF FIRE ORIGIN IN ACCORDANCE WITH IBC SECTION 909 FOR EACH GROUP I-3 WINDOWLESS SMOKE COMPARTMENT AS PER IBC 408.9.	ROOF SMOKE AND HEAT V (2 LEAVES AT NOM. 2' X 8'

FIRE WALL OPENINGS MAX OPENINGS ARE NOT LIMITED PER 706.8

EXCEPTION 2 BUT SHALL NOT EXCEED 25% OF THE WALL.

FIRE-RESISTANCE RATE	
Construction Type	
	 All 3 building areas of common con Each area separated by 2-hour fire
Allowable Area	Single story with sprinklers → Area incr Frontage increase (506.2) limited due to Group A, B and I: 2-hour fire wall (Table
	 Three separate buildings with 2-hourallowable area. Mezzanines and Equipment Platformarea (IBC 505.2 and 505.3). Mezzanine area includes balcony a Equipment platforms in Area 2 are withe utility level, above the mezzanin platforms represent the area of peristic See Sheet CP1.03 for Allowable Are equipment platforms.
Occupancy Classifications	Nonseparated uses per 508.3. Institutional Group I-3: Buildings and 5 persons who are under restraint or secu self-preservation due to security measure control. Condition 3: This occupancy condit
	which free movement is allowed wit compartments, such as within a resid- individual sleeping units and group a impeded by remote-controlled releas a smoke compartment to another smo Condition 4: Free movement is restr Remote-controlled release is provide sleeping units, activity spaces, and o Institutional Group I-2: Medical care of persons who are incapable of self-preser Business Group B: Small spaces used ft Group B or as part of that occupancy (30) Training and skill development within an administration, electronic data processing laboratories-testing and research, profess and dry cleaning: pick-up and delivery st Assembly Group A-3: Courtrooms
	Group I-3/Condition 4 is present in a
	Area 1 Group A-3 Courtroom Group B Professional Service Areas Group B Administration Areas Group I-3/Condition 4 – Video Cour Group I-2 Infirmary Group I-3/Condition 4 – Intake/Rele Group I-3/Condition 4 – Work Relea
	Area 2 ■ Group I-3/Condition 4 – Housing po ■ Group B – Control Room
	Area3 Group I-3/Condition 3 – Activities C Group B – Multipurpose Rooms (ea Group I-3/Condition 4 – Kitchen, La Group B – Building services/mainte
Equipment Platforms	 Equipment Platform. An unoccupied exclusively for mechanical systems (Access to equipment platforms shall A permanent ladder shall be provide exterior for access to the equipment
	 Equipment platforms do not require The reference to a permanent ladded platforms, and not applicable or feat requirements. A hydraulic lift may be driven in to the equipment platforms. Use of such a machine will provide workers in transporting tools and ext transport those items on a fixed ext. Therefore, this approach should be IBC Section 104.11 as alternative externation.











			SMOKE B
BUILDING MEANS OF	Egress		SMOKE P
Ітем	NARRATIVE		CORRIDO
Use of Intervening Rooms	Means of egress may pass through adjoining or intervening rooms or areas where such adjoining rooms or gress and the area served are posses ary to		SMOKE R
	one another, are not Group H, and provide a discernable path of egress		SMOKE-T
	Circulation spaces which are adjoining and accessory to other		2" EXPAN
	rooms or areas are present, including:		
	 Intake/Booking Waiting and Circulation Housing Circulation 		EQUIPME
	 Activities Circulation Work Release Circulation 		
	Consistent with California State Fire Marshal Task Group approach, these intervening rooms will not be fire-resistance-rated.		HORIZON
	 Offices with the kitchen, commissary and laundry egress through the associated space. This intervening room condition should be acceptable due to limited occupant load of the office and direct awareness intended to be achieved with the office so situated. 		HORIZON SMOKE B
	 The Control Room is permitted to have a single exit (IBC Table 1014.3), as the common path of travel is less than 100 feet from a remote portion of the mezzanine, measured along the exit access stairway (IBC 1016.3.1) to the door entering the circulation hallway below. This route involves travel through multiple intervening 		
	rooms, and should continue to be considered acceptable.		
	 Access to two exits is provided from each housing unit. Separation of the exit access is achieve with one path through the center circulation hallway, and the other around the outer perimeter 		(AREA SN CIRCULA
	through an adjacent unit. This could involve travel through multiple pods. As the pods are adjacent, and identical use, and the movement is escorted, this arrangement should be acceptable.		ZONE B (AREA SN
	 The outdoor recreation yard serves as an egress court, as part of the exit discharge. Passage through two sallyports is required in order to ultimately exit the building. These sallyports should not be 		ZONE C (AREA SN
	as IBC 408.3.7 specifically permits sallyports to be in the means of egress where there are provisions for continuous and unobstructed passage through such sallyports during emergency egress.		ZONE D (AREA SN
Building Means of	Egress		ZONE E
	NARRATIVE		
Exit Access Doorways	 Horizontal sliding doors in the means of egress shall be operable in the presence of a 50-pound perpendicular force (IBC 408.3.2). Horizontal sliding doors in smoke barriers need only be of substantial construction to resist passage of smoke (IBC 716.5.3). 	SYMBOL LEGEND:	
	 Horizontal sliding doors occur at multiple locations in the means of egress with the Skagit County Jail project, including the main control or environment of the main control of the main contro		A. OCCU
	 The code includes a specific exception for horizontal sliding doors 		B. CUMM
	 In a smoke barrier, a more robust wall than a corridor for which the code does not state an exception. The project is identifying smoke barrier walls for the central fire-resistance-rated corridor, exceeding the minimum level of 	B C	C. EXIT C ST/ OT
Deer Swing	construction prescribed by code.		
Door Swing	 Doors need not be side-hinged swinging in Group I-3 (IBC 1008.1.2). Doors shall be substantial construction to resist the passage of smoke when required to be smoke tight (IBC 408.8.4). 		FIRE EXT
	 Swinging doors in smoke barrier walls in Group I-3 must meet 716.5.3 where they occur in a smoke barrier. It is necessary for doors to be provided with cuff-port openings. 		SEE ARC
	 As discussed above, the code recognizes horizontal sliding doors as providing the intended level of smoke resistance. Therefore, openings in swinging doors, such as cuff norts, when 		FIRE ALA
	obstructed by a horizontal sliding door panel, should be considered	FACP	(FACP)
	 Based on the previsions of IBC 1008.1.2 for door swing and 	RAAP	REMOTE (RAAP)
	1008.1.9.10 for locking arrangements, the direction of door swing and egress width in Area 2 should be based on simultaneous movement of 33 persons maximum. Within Area 2, the evacuation plans involve relocation of up to half of the largest unit population	FSCP	FIRE FIGI (FSCP)
Smoke	Maximum 200 residents per smoke compartment (IBC 408.6.1).		BUUE
compartments	 Work release area is included with Booking and Releasing. Units 2, 3 and 5, as well as Hallway (H100), are within a common smoke zone. 		(2 LEAVE

	FIRE-				WALL PEN	ETRATIONS			
	RESISTANCE RATING	CODE REFERENCE	GENERAL CONDITIONS	SWINGING DOORS	OTHER DOORS	WINDOWS	DUCT/AIR TRANSFER		
NC	2-HR	NFPA 101-18.1.3.4	Wall assembly continuous through concealed spaces, extending from top of the floor to the underside of the deck above.	Not applicable. No openings anticipated.	Not applicable. No openings anticipated.	Not applicable. No openings anticipated.	Penetrations shall comply with IBC Section 717. Listed fire/smoke damper with 1.5-HR minimum rating.		
R	2-HR	IBC Sections 708 and 709	Wall assembly creating a continuous membrane designed and constructed to restrict the movement of smoke while separating building areas with sufficient structural stability for collapse of construction on either side without collapse of the wall.	90-min. fire door assembly tested per NFPA 252 ** or UL 10C with smoke and draft control per UL 1784. Aggregate width of all openings shall not exceed 25% of wall length. Self or automatic- closing, latching fire doors.	Sliding doors: 90-min. fire door assembly tested per NFPA 252 or UL 10B with smoke and draft control per UL 1784. Otherwise same as swinging doors. Allowed for I-3 egress doors per IBC Section 1008.1.2. ***	Allowed only as part of a fire door assembly in accordance with 716.5 (door vision panels labelled D-H-90 if up to 100 sq. ft. or D-H-W-90 if >100 sq. ft.) or as a 2-hour fire-resistance-rated glazing assembly tested to ASTM E 119 or UL 263 in accordance with IBC Sections 716.2 & 716.6. Aggregate width of all openings shall not exceed 25% of wall length.	Penetrations shall comply with IBC Section 717. Listed fire/smoke damper with 1.5-HR minimum rating. Individual size not limited. Aggregate width of all openings shall not exceed 25% of wall length.	CJC CAL BARRIERS ON, WA 98273	
-	1-HR	IBC Table 602 and IBC Section 705	Exterior wall of rated for exposure to fire from both sides.	Not applicable. No openings anticipated.	Not applicable. No openings anticipated.	Not applicable. No openings anticipated.	Not applicable. No openings anticipated.	NERN	
	1-HR	IBC Section 707 and NFPA Section 101	Wall assembly continuous through concealed spaces, extending from top of the floor to the underside of the deck above.	45-min. fire door assembly tested per NFPA 252 ** or UL 10C. Self or automatic-closing, latching fire doors.	Sliding doors: 45-min. fire door assembly tested per NFPA 252 or UL 10B. Self or automatic-closing, latching fire doors. Allowed for I-3 egress doors per IBC Section 1008.1.2. ***	Allowed only as part of a fire door assembly in accordance with 716.5 (door vision, sidelite & transom panels labelled D-H-NT-45) or as a 1-hour fire- resistance-rated glazing assembly tested to ASTM E 119 or UL 263 in accordance with IBC Sections 716.2 & 716.6. Aggregate width of all openings shall not exceed 25% of wall length.	Penetrations shall comply with IBC Section 717. Listed fire damper with 1.5- HR minimum rating.		
R	1-HR	IBC Section 709	A continuous membrane designed and constructed to restrict the movement of smoke continuous through concealed spaces, extending from top of the floor to the underside of the deck above.	20-min. fire door assembly tested per NFPA 252 or UL 10C without hose stream test and with smoke and draft control per UL 1784. Self or automatic- closing, latching fire doors.	Slilding doors: 20-min. fire door assembly with smoke and draft control per UL 1784. Self or automatic-closing, latching fire doors. Allowed for I-3 egress doors per IBC Section 1008.1.2.	Allowed only as part of a fire door assembly in accordance with 716.5 (20- min door vision panels labelled D-20, 45 min sidelight/transom panels labelled D- H-OH-45) or as a 3/4-hour fire- resistance-rated glazing assembly tested to ASTM E 119 or UL 263 in accordance with IBC Sections 716.2 & 716.6.	Penetrations shall comply with IBC Section 717. Listed fire/smoke damper with 1.5-HR minimum rating.	PERMIT SET 05/09/2025 REVISIONS	
ON	None	IBC Section 710	Smoke partitions shall be constructed to prevent the passage of smoke and shall extend from the top of the foundation or floor below to the underside of the floor or roof sheathing, deck or slab above or to the underside of the ceiling above where the ceiling membrane is constructed to limit the transfer of smoke.	Not applicable. No openings anticipated.	Not applicable. No openings anticipated.	Not applicable. No openings anticipated.	Duct penetrations shall be sealed. Air transfer openings require a smoke damper per IBC Section 717.3.2.2 *		
TITION	1-HR (Group I-3), None (Group I-2)	IBC Sections 1018, 708 (Group I-3) and 710 (Group I-2)	Corridor walls required to be fire-resistance rated shall comply with IBC Section 708 for FIRE PARTITIONS, a vertical assembly of materials designed to restrict the spread of fire in which openings are protected. Corridor walls not requiring a fire-resistance rating shall comply with IBC Section 710 for SMOKE PARTITIONS.	I-3: 20-min. fire door assembly tested per NFPA 252 or UL 10C without hose stream test and with smoke and draft control per UL 1784. Self or automatic- closing, latching fire doors . I-2: Positive latching doors with smoke and draft control per UL 1784. Self or automatic- closing doors permitted but not required.	 I-3: Slilding doors: 20-min. fire door assembly with smoke and draft control per UL 1784. Self or automatic-closing, latching fire doors. Allowed for I-3 egress doors per IBC Section 1008.1.2. I-2: Sliding doors: Positive latching doors with smoke and draft control per UL 1784. Self or automatic-closing doors permitted but not required. *** 	H3: Allowed only as part of a fire door assembly in accordance with 716.5 (20- min door vision panels labelled D-20, 45 min sidelight/transom panels labelled D- H-OH-45) or as a 3/4-hour fire- resistance-rated glazing assembly tested to ASTM E 119 or UL 263 in accordance with IBC Sections 716.2 & 716.6. H2: Sealed to resist the free	I-3: Penetrations shall comply with IBC Section 717. Listed fire/smoke damper with 1.5-HR minimum rating. I-2: Duct penetrations shall be sealed. Air transfer openings require a smoke damper per IBC Section 717.3.2.2 *		
ANT J	None	IBC Section 509.4.2	Construction capable of resisting the passage of smoke. The walls shall extend from the top of the foundation or floor assembly below to the underside of the ceiling that is a component of a fire-resistance-rated floor assembly or roof assembly above or to the underside of the floor or roof sheathing, deck or slab above.	Self or automatic-closing upon detection of smoke per IBC Section 716.5.9.3. No air transfer openings. Max undercut per NFPA 80.	Rolling shutter doors: Same requirements as swinging doors. ***	Not referenced. Resistant to free passage of smoke. Maintain integrity of wall construction.	Duct penetrations shall maintain integrity of wall construction. Air transfer openings require a smoke damper per IBC Section 710.8.	73-24145-00 EXISTING CODE	
1	None	IBC Section 408.8.1	Provide construction capable of resisting the passage of smoke.	Cell doors shall be substantial doors per IBC Section 408.8.4, of construction that will resist the passage of smoke. Latches and self or automatic-closing doors permitted but not required. Same requirements for other doors in accordance with IBC Section 909.4.	Sliding doors: Same requirements as swinging doors. ***	Not referenced. Resistant to free passage of smoke. Maintain integrity of wall construction.	Duct penetrations shall maintain integrity of wall construction. Air transfer openings should be provided with a smoke damper per IBC Section 710.8.	ANALYSIS - FIR FLOOR - FOR REFERENCE ONLY	
fere with e neutra tion 408	a Section 909 smo I pressure level in the 3.3.2 for I-3 or Sectio	ke control system, approve e furnace shall be establish n 1008.1.4.3 for other occu	ad alternate protection is allowed. and at 40" or less above the sill. upancy.			·		CP1.02	





ROOF SMOKE AND HEAT VENT (2 LEAVES AT NOM. 2' X 8' OPENING EACH)

FIRE FIGHTER'S SMOKE CONTROL PANEL

FIRE ALARM CONTROL PANEL REMOTE ALARM ANNUNCIATOR PANEL

FIRE EXTINGUISHER (FE) SEE ARCH. DWGS. FÒR MOUNTING CLASS I STANDPIPE HOSE CONNECTION

C. EXIT CAPACITY OF DOOR OR STAIR: STAIR = 0.3"/OCCUPANT OTHER = 0.2"/OCCUPANT SMOKE COMPARTMENT EXIT ACCESS; ARROWS INDICATE DIRECTION OF TRAVEL

OCCUPANT LOAD A. OCCUPANT LOAD AT EXIT ACCESS B. CUMMULATIVE OCCUPANT LOAD AT EXIT

ZONE D (AREA SMOKE DETECTION THROUGHOUT)

ZONE C (AREA SMOKE DETECTION THROUGHOUT)

ZONE B (AREA SMOKE DETECTION THROUGHOUT)

ZONE A (AREA SMOKE DETECTION INSTALLED IN CIRCULATION SPACES)

PUBLIC MODE NOTIFICATION UNLESS OTHERWISE NOTED

HORIZONTAL CONTINUITY OF

SMOKE BARRIER (1-HR) SMOKE RESISTANT CONSTRUCTION SMOKE-TIGHT CONSTRUCTION EQUIPMENT PLATFORM



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BOUNDARY LEGEN	D:
	AREA BOUNDARY
- oo -	OCCUPANCY BOUNDARY
+++++++++++++++++++++++++++++++++++++++	FIRE SEPARATION (2-HR)
	FIRE WALL (2-HR) AND SMOKE BARRIER
	EXTERIOR FIRE-RATED WALL (1-HR)
	FIRE BARRIER (1-HR)
	SMOKE BARRIER (1-HR)
********	SMOKE PARTITION
	CORRIDOR PARTITION
	SMOKE RESISTANT CONSTRUCTION
o	SMOKE-TIGHT CONSTRUCTION
	2" EXPANSION JOINT
	EQUIPMENT PLATFORM
	HORIZONTAL MECHANICAL CHASE
	HORIZONTAL CONTINUITY OF SMOKE BARRIER
	PUBLIC MODE NOTIFICATION UNLESS OTHERWISE NOTED
TENABILITY LEGEN	<u>D:</u>
	ZONE A (AREA SMOKE DETECTION INSTALLED IN CIRCULATION SPACES)
	ZONE B (AREA SMOKE DETECTION THROUGHOUT)
	ZONE C (AREA SMOKE DETECTION THROUGHOUT)
	ZONE D (AREA SMOKE DETECTION THROUGHOUT)
	ZONE E
SYMBOL LEGEND:	
####	OCCUPANT LOAD
A	A. OCCUPANT LOAD AT EXIT ACCESS
C	B. CUMMULATIVE OCCUPANT LOAD AT EXIT
B C	C. EXIT CAPACITY OF DOOR OR STAIR: STAIR = 0.3"/OCCUPANT OTHER = 0.2"/OCCUPANT
$\leftrightarrow \rightarrow$	SMOKE COMPARTMENT EXIT ACCESS; ARROWS INDICATE DIRECTION OF TRAVEL
FE	FIRE EXTINGUISHER (FE) SEE ARCH. DWGS. FOR MOUNTING
\bigtriangledown	CLASS I STANDPIPE HOSE CONNECTION
FACP	FIRE ALARM CONTROL PANEL (FACP)
RAAP	REMOTE ALARM ANNUNCIATOR PANEL (RAAP)
FSCP	FIRE FIGHTER'S SMOKE CONTROL PANEL (FSCP)
\bigcirc	ROOF SMOKE AND HEAT VENT (2 LEAVES AT NOM. 2' X 8' OPENING EACH)

NARRATIVE ITEM Allowable Area A mezzanine may be up to one-half of the floor area of the room or space in which it is located with an approved emergency voice/alarm communications system, excluding enclosed portions of the room in the determination (IBC 505.2.1). Based on the control room being constantly attended, and having ready access to facilitate communication among staff, receive alarm notification signals, and open cell doors, the allowable area of the housing mezzanines are based on one-half of the total area of the dayroom, cells, and shower stalls. □ The area of the Unit 7 mezzanine level also includes the storage room and connecting hallway. The Control Room mezzanine area includes the toilet room and stair landing, and looks onto the outdoor recreation yard for the space to which it is open. The storage room and mezzanine hallway on the east side of the pods is based on the area of the circulation hallway below. The cells at the mezzanine level are also considered open, applying the same consideration regarding the control room functions.

			L		
LOCATION	FLOOR 1 AREA (DAYROOM, FLOOR 1 CELLS & SHOWERS)	ALLOWABLE MEZZANINE AREA FLOOR 1 AREA x (1/2)	ATTRIBUTED MEZZANINE AREA	ALLOWABLE EQUIPMENT PLATFORM AREA FLOOR 1 AREA × (2/3) - ACTUAL MEZZANINE AREA	ATTRIBUTED EQUIPMENT PLATFORM AREA
UNIT 1	3753	1876	1468	1034	270
UNIT 2	3757	1878	1412	1092	266
UNIT 3	3777	1888	1404	1114	267
UNIT 4 4021		2010	1704	976	370
UNIT 5 4021		2010	1720	960	370
UNIT 6 4025		2012	1701	982	370
UNIT 7	3704	1852	1614	855	268
HALLWAY (H100 & H101	1541	770	206	821	_
RECREATION AREA (L100)	3345	1672	1006	1224	-
NOTE: ALL VALUES IN	I SQUARE FEET				



13029 REGISTERED ARCHITECT RYAN M. WHITE STATE OF WASHINGTON

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EXISTING CODE ANALYSIS -MEZZANINE - FOR REFERENCE ONLY

CP1.03





Every portion of Group I-3 a windowless engineered smoke control to provide a ten from the portion of the smoke compartmen (IBC 408.9).
 Windowless building conditions are a only. Tenable environment for evacuation of fire origin within Group I-3. Based on the limited combustible loa sources rooms with occupant loads r persons
Design fire fuel, heat release rate, and spri
 A plastic cart is envisioned as a pote be present in any hallway or open ro utilize a t² slow growth rate to simula The open booking desk is also a pote plastic business machines and foam scenario will utilize a fast growing t² t upon sprinkler activation based upon and effectiveness of sprinklers. A significant fire scenario is not antic occupant loads of less than 10 restrat operation of the HVAC serving the ca in the cell, together with the absence should sufficiently support tenability field.
 The current strategy involves automarelease upon smoke detection in ord combustion. HVAC system will provide 100% outs capable of preventing egress in the eaccess outside the room. The exit a Upon smoke detection in a unit dayre HVAC will stop and the roof vent(s) versions of 408 for free and continuous movement for corridor served.
 Tenability criteria will be assessed at computation fluid dynamics modeling Visibility Thermal exposure Toxicity (carbon monoxide expos Consistent with the provision of 909. will be provided based on the tenabil Movement times determined by egre prescribed safety factor of 1.5; pre-mindicated by facility plan (currently un Zone A – Movement initiated upo Zones B, C and E – Based on the plans developed for this specific for determined from egress model. Zone D – Not applicable.

ure) 9.4.6, the duration of tenability pility zones provided below. ress modeling will apply the novement times will be as nder development). on detection. ne sequence of operational facility and durations

oom or alternate housing will open. 8.3.7, sallyports should provide or ventilation of the space or t 6-feet above the floor through

ased on industry literature. atic heat vents which would rder to vent products of tside air to rooms with locks event of a fire in the exit access vent will open.

fire, which will peak and decay the sparse combustible load pipated within the cells having ained persons. The continued cell, and intervention by others e of an apparent fuel source, for the occupants.

rinkler effectiveness (IBC 909.9). ential fuel source, which may oom. Cart fire scenarios will ate an extended ignition period tential fire location. Based on upholstered desk chairs, this

oad and absence of ignition s not exceeding 10 restrained

applicable to Group I-3 spaces n is required only from the area

building to be equipped with nable environment for egress ent that is the area of fire origin



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(2 LEAVES AT NOM. 2' X 8' OPENING EACH)

FIRE FIGHTER'S SMOKE CONTROL PANEL

REMOTE ALARM ANNUNCIATOR PANEL

FIRE ALARM CONTROL PANEL

CLASS I STANDPIPE HOSE CONNECTION

FIRE EXTINGUISHER (FE) SEE ARCH. DWGS. FOR MOUNTING

STAIR = 0.3"/OCCUPANT OTHER = 0.2"/OCCUPANT SMOKE COMPARTMENT EXIT ACCESS; ARROWS INDICATE DIRECTION OF TRAVEL

OCCUPANT LOAD A. OCCUPANT LOAD AT EXIT ACCESS B. CUMMULATIVE OCCUPANT LOAD AT EXIT C. EXIT CAPACITY OF DOOR OR STAIR:

(AREA SMOKE DETECTION THROUGHOUT)

(AREA SMOKE DETECTION THROUGHOUT)

ZONE A (AREA SMOKE DETECTION INSTALLED IN CIRCULATION SPACES)

PUBLIC MODE NOTIFICATION UNLESS OTHERWISE NOTED

HORIZONTAL CONTINUITY OF

HORIZONTAL MECHANICAL CHASE







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53 SEALED METAL PANEL JOIST PENETRATION CP1.05 SCALE: 3" = 1'-0"



CLASSIFIC ASSEMBLY BUSINESS _____ INSTITUTIO

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4,360 SF INMATE OCCUPANTS: 26 EMPLOYEES: 17 OCCUPANTS

6325 SF FEMALE INMATES: 24 OCCUPANTS MALE INMATES: 52 OCCUPANTS

I-3 OCCUPANCY - CELLS I-3 OCCUPANCY - LAUNDRY MALE INMATES IN CELLS OCCUPY (2) 22 SINGLE CELL PODS, (1) 22 DOUBLE CELL POD, AND (3) 16 QUAD CELL PODS = 22+22+44+64+64+64=280 MALE INMATES INMATE TOILET STAFF TOILET

PLUMBING FIXTURE COUNTS

PLUMBING FIXTURE COUNT ANALYSIS - IBC 2012 - TABLE 2902.1 MINIMUM NU

CATION	OCCUPANCY	DESCRIPTION	WATER CLOSETS		LAVATORIES		SHOWERS		DRINKING FOUNTAINS	SERVICE SINK
			MALE	FEMALE	MALE	FEMALE	MALE	FEMALE		
Y	A-3	COURTROOM	1:125	1:65	1:200	1:200			1/1000	1
S	В	OFFICE SPACE	1:25 + 1:50 over 1st 50	1:25 + 1:50 over 1st 50	1:40 + 1:80 over 1st 80	1:40 + 1:80 over 1st 80			1/100	1
IONAL	1-2 1-2	MEDICAL EMPLOYEES	1:ROOM 1:25	1:ROOM 1:25	1:ROOM 1:35	1:ROOM 1:35	1/15 	1/15 -	1/100 1/100	1
	1-3 1-3 1-3	PRISON DETENTION/CORRECTIONAL CENTER EMPLOYEE	1:CELL 1:15 1:25	1:CELL 1:15 1:25	1:CELL 1:15 1:25	1:CELL 1:15 1:25	1:15 1:15 	1:15 1:15 	1/100 1/100 1/100	1 1

PLUMBING FIXTURE COUNT ANALYSIS - IBC 2012 - TABLE 2902.1 REQUIRED/ACTUAL NUMBER OF PLUMBING FIXTURES PROVIDED

DIACTUAL NUMBE		TORES PROVIDED								
ICATION	OCCUPANCY	DESCRIPTION	WATER C	CLOSETS	LAVAT	ORIES	SHOW	ERS	DRINKING FOUNTAINS	SERVICE SINK
			MALE	FEMALE	MALE	FEMALE	MALE	FEMALE		
LY	A-3	COURTROOM	1/2	2/2	1/2	1/2			1/2	1/1
SS	В	OFFICE SPACE	2/4	2/4	2/4	2/4	0/2	0/2		1/1
TIONAL	1-2 1-2	MEDICAL EMPLOYEES	5/5 1/1	4/4 1/1	5/5 1/1	4/4 1/1	4/4 0	4/4)/1		1/1
	1-3 1-3 1-3	PRISON DAYROOM HOLDING DETENTION/CORRECTIONAL CENTER INTAKE/RELEASE CELLS INTAKE/RELEASE BOOKING INTAKE/RELEASE STAFF INMATE INTERVIEW STAFF KITCHEN/INMATE STAFF LAUNDRY/INMATE	76/76 0/4 2/2 4/5 8/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/	60/60 0/3 1/1 2/2 18 2/2 11 11 12 11 12 11 11 11 11	76/76 0/4 2/2 4/5 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/	60/60 0/3 1/1 2/2 /8 /1 /1 /1 /1 /1 /1 /1 /1	7/20 4/5 	6/14 2/2 	 7/7 4/4 	1/1 7/7 1/1 1/1 1/1

ASSUMPTIONS:

A-3 OCCUPANCY - COURTROOM AND LOBBY 3060 SF/15SF = 204 OCCUPANTS (102 FEMALE/102 MALE)

B OCCUPANCY - OFFICES AND LOCKER ROOMS 9628 SF-100 SF = 97 OCCUPANTS (49 FEMALE/48 MALE)

I-2 OCCUPANCY - MEDICAL

I-3 OCCUPANCY - WORK RELEASE DORMITORY

I-3 INTAKE AND RELEASE 5905 SF INTAKE CELLS

(1) FEMALE INMATE CELLS: 10 (3) MALE INMATE CELLS: 30

RELEASE CELLS: (1) FEMALE INMATE CELLS: 10 (3) MALE INMATE CELLS: 30

(1) STAFF TOILET: 1WC; 1 LAV (1) INMATE TOILET TO SERVE OPEN BOOKING

1WC; 1 LAV TIME OUT CELL: 1 FLOOR TOILET

CLEAN UP CELL: 1 FLOOR TOILET (1) SERVICE SINK

I-3 OCCUPANCY - KITCHEN 5772 SF/200 = 29 OCCUPANTS



B ELEVATION @ METAL STUD WALL

B2 SECTION @ METAL STUD WALL



54 T.O. METAL STUD WALL SLIP CONNECTION DETAILS - METAL DECK CP1.05 SCALE: 3" = 1'-0"









TO TOP OF WALL. SEE WALL TYPES





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EXISTING CODE ANALYSIS -GENERAL - FOR REFERENCE ONLY

CP1.05











GENERAL ARCHITECTURAL NOTES

. SEE STRUCTURAL DRAWINGS FOR BRACING OF PHYSICAL BARRIERS. 2. ENLARGED DAYROOM PLAN AND ASSOCIATED VIEWS APPLY TO





GENERAL ARCHITECTURAL NOTES

. SEE STRUCTURAL DRAWINGS FOR BRACING OF PHYSICAL ENLARGED DAYROOM PLAN AND ASSOCIATED VIEWS APPLY TO . GUARDRAIL PHYSICAL BARRIER SCOPE APPLIES TO ALL 4. CONTRACTOR TO VERIFY IN FIELD EXISTING RAILING LOCATIONS, PROXIMITY TO SKYLIGHTS, AND CONNECTIONS TO

5. CONTRACTOR TO VERIFY IN FIELD EXISTING STRUCTURAL MEMBERS LOCATION IN RELATION TO PROPOSED PHYSICAL

NEW CONSTRUCTION

BARRIERS.

BARRIER

ALL DAYROOMS

DAYROOMS, TYP.

EXISTING RAILINGS

PLAN LEGEND

EXISTING

g

ING PL	.AN	LEGEND

PAINTED SUSPENDED GWB CEILING WITH SECURITY BARRIER MESH BETWEEN GWB AND METAL STUD

EXPOSED CELLULAR METAL DECK WITH SECURITY

(E) MENTAL HEALTH SINGLE CELL U210 CELL CELL CELL CELL CELL CELL CELL CE	(E) DOUBLE	OUBLE (E) DOUBLE ELL CELL 203 CR204	(E) DOUBLE (E) DOU CELL (R205) R206	BLE (E) POUBLE CELL CELL	(E) DOUBLE CELL R208	(E) POUBLE CELL (E209) (E) DOUBLE CELL (E209) (E) DOUBLE CELL (E) DOUBLE CELL (E) DOUBLE (E) DOUBLE	
					(E) ∨ ZANINE A 2000 A A A A A A A A A A A A A A A A A A A		
					(E) INMATE TOLLET (RI005)		
				(E) DAYROOM P100 0			
A A A A A A A A A A A A A A A A A A A							
$\begin{array}{c} \bullet \\ \bullet $							
(E) SECURE ELECTRONICS (E) HALLWAY H206			 A C A A				
(E) SINGLE CELL M202 (E) SINGLE (E) SINGLE CELL M201 (E) SINGLE (E) SINGLE (E	(E) QUAD (E)	E QUAD CELL N206	(E) QUAD CELL N205>	(E) QUAD CELL N204	(E) QUAD (E) QUAD CELL N203	(E) QUAD CELL (N202)	(E) QUA CELL (N201
	14	(15)					

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ING	PLAN	LEGEND
	-	

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	A	В				
	GENERAL STRUCTURAL NOTES					
	GENERAL THE DRAWINGS REPRESENT THE FINISHED STRUCTURE, NOT THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE RESEARCH, DESIGN, SAFETY, ADEQUACY, AND INSPECTION OF ERECTION BRACING, SHORING, GUYING, TEMPORARY SUPPORTS, ETC, IS THE RESPONSIBILITY OF THE CONTRACTOR 	 STRUCTURAL STEEL FABRICATOR QUALIFICATIONS: FABRICATOR SHALL BE AISC CERTIFIED OR AN "APPROVED FABRICATOR" IN ACCORDANCE WITH THE BUILDING CODE AND APPROVED BY THE AHJ. IN LIEU OF T PREVIOUS, FABRICATOR SHALL INCLUDE IN THEIR BID THE SERVICES OF A SPECIAL INSPECTOR TO PROVIDE IN-PLANT INSPECTION/TESTING SERVICES FOR WORK COMPLETED ON THE FABRICATOR'S PREMISES TO MEET BUILDING CODE REQUIREMENTS. AT THE COMPLETION OF WORK, FABRICATOR SHALL SUBMIT A "CERTIFICATE OF COMPLIANCE" TO THE ARCHITECT AND AN STATING THAT THE 				
1	 THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS AND METHODS, SEQUENCES OF CONSTRUCTION, OR CONSTRUCTION TECHNIQUES USED TO PERFORM THE WORK. OBSERVATION VISITS TO THE SITE WILL NOT INVOLVE REVIEW OF THESE ITEMS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PROGRAM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON, NOR ISSUE DIRECTION, AS TO SAFETY PRECAUTIONS AND PROGRAMS. OBSERVATION VISITS TO THE SITE WILL NOT INVOLVE REVIEW OF THESE ITEMS. 	 WORK WAS PERFORMED IN ACCORDANCE WITH APPROVED CONSTRUCTION DOCUMENTS. STRUCTURAL STEEL SHAPES AND CONNECTING COMPONENTS SHALL CONFORM TO THE FOLLOWIN MATERIAL SPECIFICATIONS UNO: FOLLOWING MATERIAL SPECIFICATIONS: HOLLOW STRUCTURAL SECTIONS (HSS) RECTANGULAR & SQUARE ASTM A500, GRADE C, Fy = 50 KSI STEEL SHAPES AND PLATES ASTM A572, Fy = 50 KSI MACHINE BOLTS ASTM A307 THREADED RODS 				
	 CONTRACTOR IS TO ESTABLISH AND VERIFY OPENINGS AND INSERTS FOR ITEMS TO BE INSTALLED BY OTHER TRADES PRIOR TO SUBMITTAL OF SHOP DRAWINGS AND CONSTRUCTION. CONSTRUCTION MATERIAL AND EQUIPMENT LOADS PLACED ON THE STRUCTURE DURING THE CONSTRUCTION PROCESS SHALL NOT EXCEED THE DESIGN LIVE LOAD OF THE STRUCTURE NOTED IN THESE DRAWINGS. THE ENGINEER SHALL NOT BE RESPONSIBLE TO INVESTIGATE, NOR APPROVE, THE STRUCTURE FOR CONSTRUCTION MATERIAL OR EQUIPMENT LOADING. ERECTION OR CONSTRUCTION LOADS ARE NOT TO BE APPLIED UNTIL PROPER STRUCTURAL FRAMING CONNECTIONS ARE MADE, AND ALL TEMPORARY BRACING IS IN PLACE. THE CONTRACTOR SHALL DESIGN AND PROVIDE TEMPORARY BRACING OF THE STRUCTURE WHERE NECESSARY FOR CONSTRUCTION LOADS. 	 WELDING ELECTRODES E70XX CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE BUILDING SYSTEM AT ALL TIMES DURING THE ERECTION PROCESS. ELEMENTS HAVE BEEN DESIGNED FOR THE FINAL COMPLETED CONDITION AND HAVE NOT BEEN INVESTIGATED FOR TEMPORARY LOADING DURING CONSTRUCTION. INVESTIGATION OF THE STRUCTURAL ELEMENTS FOR ADEQUACY DURING THE STEEL ERECTION AN CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR TO PROVIDE TEMPORARY SUPPORTS AS REQUIRED TO MAINTAIN STABILITY. UNO, ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER SHALL BE HOT DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123. ALL DAMAGED GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH ASTM A780. 				
	 DETAILS THAT ARE NOTED AS ITFICAL OR THE ON DETAIL TITLES ARE TO BE APPLIED TO THE PROJECT CONSTRUCTION AS GENERAL CONSTRUCTION METHODS UNLESS NOTED OTHERWISE. THESE DETAILS ARE NOT CUT AT ALL LOCATIONS WHERE THEY OCCUR, AND THEY MAY NOT BE CUT AT ALL. WHERE NO SPECIFIC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR CONDITIONS ELSEWHERE ON THE PROJECT, SUBJECT TO APPROVAL OF THE ENGINEER. 7. DO NOT SCALE DRAWINGS. CONTRACTOR IS TO VERIFY ALL DIMENSIONS RELATIVE TO ADDUCTED AND ADDUCTION AND CONSTRUCTION ADDUCTION. ANY DISODED AND CONSTRUCTION ADDUCTION. 	 ALL BOLTS (HIGH STRENGTH, ANCHOR BOLTS, EXPANSION BOLTS, ADHESIVE ANCHORS, ETC.) SHAL INSTALLED WITH STEEL NUTS AND WASHERS. NUTS AND WASHERS FOR HIGH STRENGTH BOLTS SH CONFORM TO ASTM A563 AND TO ASTM F436, RESPECTIVELY. WELDING PROCEDURES, ELECTRODES, AND WELDER QUALIFICATIONS SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE D1.1, AISC STANDARDS, AND LOCAL CODE REQUIREMENTS. 				
	 ARCHITECTURAL OR OTHER DISCIPLINE DRAWINGS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION. 8. WHERE DISCREPANCIES OCCUR BETWEEN GENERAL NOTES, PLANS, DETAILS, AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN, UNLESS APPROVED OTHERWISE BY THE ENGINEER IN WRITING PRIOR TO CONSTRUCTION. 	 ALL WELDS SHOWN ON THE DRAWINGS SHALL BE SHOP WELDS, UNO. WHERE SHOWN, FIELD WELDI SHALL BE USED. CONTRACTOR MAY SUBSTITUTE FIELD WELDS FOR SHOP WELDS AT THEIR DISCRETION. SHOP DRAWINGS SHALL CLEARLY NOTE ALL WELDING USING AWS A2.4 SYMBOLS. COORDINATE WITH ALL OTHER TRADES WHICH STEEL INTERACTS. THIS INCLUDES BUT IS NOT LIMIT TO COORDINATING WITH MASONRY, PRECAST CONCRETE, CAST-IN-PLACE CONCRETE, JOIST, AND 				
	 THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND SPECIFICATIONS. THE CONTRACTOR SHALL ESTABLISH AND VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERT ANCHORS, HOLES, AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK. DO NOT PENETRATE ANY STRUCTURAL ELEMENTS (BEAMS, COLUMNS, WALLS, SLABS, STEEL DECKS, ETC) WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER. 	METAL DECK SUPPLIERS. <u>SUBMITTALS</u> 1. THE FOLLOWING ITEMS ARE REQUIRED STRUCTURAL SUBMITTALS AS DESCRIBED IN THE				
2	 IF THE ENGINEER'S SEAL AND SIGNATURE IS NOT AFFIXED TO THESE DRAWINGS, THESE DRAWINGS ARE INTENDED FOR PRELIMINARY PURPOSES ONLY AND SHALL NOT BE USED FOR CONSTRUCTION. DESIGN CRITERIA ALL CONSTRUCTION MATERIALS, AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF 	 SPECIFICATIONS. a. STRUCTURAL STEEL FRAMING b. STEEL MESH SCREEN PANEL FRAMING 2. THE FOLLOWING ITEMS ARE DELEGATED DESIGN (DEFERRED SUBMITTALS PER THE BUILDING CODE 				
	 ALL CONSTRUCTION, MATERIALS, AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THESE DRAWINGS, SPECIFICATIONS, AND THE CODES, RULES AND REGULATIONS OF THE 2018 INTERNATIONAL BUILDING CODE (IBC), AS ADOPTED AND AMENDED BY THE AUTHORITY HAVING JUSRISDICTION (AHJ) HEREAFTER REFERRED TO AS THE BUILDING CODE. MATERIAL SPECIFIC DESIGN STANDARDS LISTED IN THESE GENERAL NOTES ARE THE VERSION REFERENCED BY THE BUILDING CODE. IF NOT REFERENCED BY THE BUILDING CODE, USE THE LATEST EDITION APPROVED BY THE AUTHORITY HAVING JURISDICTION ON THE DATE OF THE PERMIT ISSUANCE. 	 a. WEAVE COILED WIRE FABRIC b. WEAVE COILED WIRE FABRIC FASTENERS (RIVETS) 3. DELEGATED DESIGN SUBMITTAL CALCULATIONS AND/OR SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY THE ENGINEER RESPONSIBLE FOR THEIR PREPARATION AND SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW WITH THE SHOP DRAWING SUBMITTAL. ONCE REVIEWED, CONTRACTOR SHALL FORWARD TO THE AHJ FOR APPROVAL. FABRICATION AND INSTALLATION OF THE DELEGATED DESIGN SUBMITTAL ITEMS SHALL NOT OCCUR UNTIL APPROVAL OF THE AHJ IS RECEIVED.				
	3. RISK CATEGORY III DESIGN LIVE LOADS (OUT OF PLANE) 10 PSF STRUCTURAL RENOVATION SCOPE	 THE CONTRACTOR SHALL DEVELOP AND SUBMIT A SUBMITTAL SCHEDULE INDICATING THE NUMBER SHOP DRAWINGS TO BE SUBMITTED EACH WEEK OVER THE DURATION OF THE PROJECT. THE SUBMITTAL SCHEDULE PROVIDED BY THE CONTRACTOR IS NECESSARY TO PROVIDE REASONABLE TIME TO PROCESS THE SCHEDULED SUBMITTALS. THE ENGINEER'S REVIEW SCHEDUL WILL BE DETERMINED USING THE SUBMITTAL SCHEDULE PROVIDED BY THE CONTRACTOR. 				
	 PROJECT STRUCTURAL SCOPE IS LIMITED TO THE FOLLOWING: a. EXTENSION OF EXISTING RAILING TO BARRICADE MEZZANINE AND STAIR EXISTING CONDITIONS CONTRACTOR IS TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING. ALL WORK AND MATERIALS NECESSARY TO INSTALL NEW WORK IN EXISTING BUILDING(S) SHALL BE INCLUDED. 	 REVIEW OF SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR FROM CONFORMANCE WITH THE INTENT OF THE DRAWINGS. REVIEW DOES NOT IMPLY OR STATE THAT THE FABRICATOR HAS CORRECTLY INTERPRETED THE CONSTRUCTION DOCUMENTS. COPIES OF THE CONTRACT DOCUMENTS SHALL NOT BE SUBMITTED AS SHOP DRAWINGS. CONTRAC DRAWINGS SHOW ONLY GENERAL DESIGN INTENT. FINAL SHOP DRAWING SECTIONS SHALL PROVID SIZES, LAYOUT, EXACT DIMENSIONS, ELEVATIONS, GRADES OF MATERIALS, ETC, SPECIFIC TO EACH LOCATION 				
	 CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND SHALL CONTACT THE ENGINEER IF ANY DISCREPANCIES ARE FOUND BEFORE PROCEEDING. NOTIFY ENGINEER IMMEDIATELY IF EXISTING CONDITIONS DO NOT MATCH, OR SEEM IN CONFLICT WITH, INFORMATION SHOWN ON DRAWINGS. DIMENSIONS INDICATED ON PLAN AS FIELD VERIFY, OR "FV", ARE DIMENSIONS THAT MAY BE REQUIRED FOR FABRICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF DIMENSIONS IN 	8. SHOP DRAWINGS SHALL BE REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER PRIOR TO SUBMITTING TO ENGINEER. REQUEST FOR INFORMATION FOR ITEMS SUCH AS OVERALL BUILDING GEOMETRY, ELEVATIONS, ETC. SUBMITTED THROUGH SHOP DRAWINGS SHALL BE DETERMINED BY THE CONTRACTOR. IF GEOMETRY CANNOT BE DETERMINED FROM THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL SUBMIT AN RFI AND COORDINATE RESPONSE WITH ALL AFFECTED TRADES PRIOR TO FABRICATION.				
3	 THE FIELD NECESSARY FOR FABRICATION OF MEMBERS AND PRIOR TO SUBMISSION OF SHOP DRAWINGS. 4. CONTRACTOR TO PROVIDE PROTECTION FOR ALL EXISTING BUILDING MATERIALS AND EQUIPMENT TO REMAIN FROM DAMAGE DUE TO DEMOLITION OR CONSTRUCTION OPERATIONS PERFORMED UNDER THIS CONTRACT. 	 ANY CHANGES, SUBSTITUTION REQUESTS, OR DEVIATIONS FROM THE CONTRACT DOCUMENTS SHA BE CLOUDED BY THE SUPPLIER AND THE CONTRACTOR. SUCH ITEMS NOT CLOUDED BY THE SUBMITTING PARTY SHALL NOT BE CONSIDERED ALLOWED AFTER THE ENGINEER'S REVIEW UNLESS NOTED ACCORDINGLY BY THE ENGINEER IN WRITING. 				
	 THE SEQUENCE OF CONSTRUCTION SHALL BE THE RESPONSIBILITY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY GUYS, BRACING, AND OTHER SUPPORTS AS NEEDED TO SAFELY RESIST ALL GRAVITY AND LATERAL LOADS TO WHICH THE EXISTING OR PROPOSED STRUCTURE MAY BE SUBJECTED, INCLUDING LOADS FROM ERECTION EQUIPMENT AND ERECTION OPERATIONS, AND WIND OR SEISMIC FORCES COMPARABLE IN INTENSITY FOR WHICH THE STRUCTURE IS DESIGNED. LOAD VERIFICATION OF EXISTING MEMBERS TO RECEIVE TEMPORARY SHORING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR'S ENGINEER. ALL ERECTION AND CONSTRUCTION PROCEDURES SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE CODES AND ORDINANCES. 					
	 ALL FRAMING CONNECTIONS TO EXISTING STRUCTURE SHALL BE FIELD VERIFIED PRIOR TO SHOP DRAWING PRODUCTION AND FABRICATION. FIELD VERIFIED DIMENSIONS SHALL BE INCLUDED ON FIRST SHOP DRAWING SUBMITTAL AND NOTED AS SUCH. CONTRACTOR SHALL LOCATE REBAR IN EXIST. CONSTRUCTION PRIOR TO DRILLING OF HOLES AND SHALL TAKE CARE NOT TO DAMAGE EXIST. BARS. IF DAMAGE TO EXIST. REBAR OCCURS DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING THE DAMAGE. REPAIR PROCEDURES NOT DETAILED IN THE CONTRACT DOCUMENTS WILL REQUIRE PREPARATION BY A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED 					
	AND MUST BE APPROVED BY THE ENGINEER. EXISTING DOCUMENTATION 1. THE FOLLOWING DOCUMENTS WERE USED TO REPRESENT EXISTING STRUCTURE IN THE CONSTRUCTION DOCUMENTS. NOT ALL ELEMENTS AND INFORMATION HAS BEEN PROVIDED. COPIES OF THE EXISTING DRAWINGS MAY BE AVAILABLE AT THE CONTRACTOR'S REQUEST. ARCHITECTURAL DRAWINGS DATED JULY 18, 2005, BY DLR GROUP. STRUCTURAL DRAWINGS DATED JULY 18, 2005, BY DLR GROUP.					
4	 DEMOLITION 1. DEMOLITION OF EXISTING STRUCTURE TO BE REMOVED SHALL BE PERFORMED BY THE CONTRACTOR USING MEANS NECESSARY TO PREVENT DAMAGE TO THE EXISTING STRUCTURE TO REMAIN. DAMAGE TO THE EXISTING STRUCTURE TO REMAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE USING METHODS REVIEWED BY THE STRUCTURAL ENGINEER. IF EXISTING CONDITIONS DIFFER FROM THOSE SHOWN IN THE CONTRACT DOCUMENTS CONTACT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK 					
	 SHORING OF THE EXISTING STRUCTURE SHALL BE PROVIDED BY THE CONTRACTOR AND DESIGNED BY A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED. 					
5						
<u> </u>						

С

RTIFIED OR AN "APPROVED APPROVED BY THE AHJ. IN LIEU OF THE VICES OF A SPECIAL INSPECTOR TO COMPLETED ON THE FABRICATOR'S OMPLETION OF WORK, FABRICATOR TECT AND AHJ STATING THAT THE

NSTRUCTION DOCUMENTS. SHALL CONFORM TO THE FOLLOWING

LDING SYSTEM AT ALL TIMES DURING OR THE FINAL COMPLETED CONDITION DURING CONSTRUCTION. Y DURING THE STEEL ERECTION AND

S, ADHESIVE ANCHORS, ETC.) SHALL BE

ERS FOR HIGH STRENGTH BOLTS SHALL ATIONS SHALL CONFORM TO THE

D LOCAL CODE REQUIREMENTS.

UNO. WHERE SHOWN, FIELD WELDING FOR SHOP WELDS AT THEIR ING USING AWS A2.4 SYMBOLS.

S. THIS INCLUDES BUT IS NOT LIMITED

T-IN-PLACE CONCRETE, JOIST, AND

UBMITTALS PER THE BUILDING CODE):

DRAWINGS SHALL BE SIGNED AND TION AND SHALL BE SUBMITTED TO TAL. ONCE REVIEWED, CONTRACTOR

D INSTALLATION OF THE DELEGATED OF THE AHJ IS RECEIVED.

SCHEDULE INDICATING THE NUMBER OF RATION OF THE PROJECT.

NECESSARY TO PROVIDE . THE ENGINEER'S REVIEW SCHEDULE DED BY THE CONTRACTOR.

TED AS SHOP DRAWINGS. CONTRACT P DRAWING SECTIONS SHALL PROVIDE

MATERIALS, ETC, SPECIFIC TO EACH

ENERAL CONTRACTOR OR R. REQUEST FOR INFORMATION FOR

TC. SUBMITTED THROUGH SHOP EOMETRY CANNOT BE DETERMINED L SUBMIT AN RFI AND COORDINATE THE

M THE CONTRACT DOCUMENTS SHALL TEMS NOT CLOUDED BY THE

ER THE ENGINEER'S REVIEW UNLESS

ABBREVIATIONS

#

AB

ABC

AFF

AHJ ALT

ANCH

AR

B/

BOD

BLDG

BLKG

BM(S)

BOF

BOL BOS

ARCH

APPROX

ADDL

REINFORCING BAR SIZE,

AT (SPACING)

ANCHOR BOLT

ADDITIONAL

ALTERNATE

APPROXIMATE

ANCHOR ROD

BOTTOM OF

BUILDING

BLOCKING

BEAM(S)

ARCHITECTURAL

BOTTOM OF DECK

BOTTOM OF FOOTING

BOTTOM OF LINTEL

BOTTOM OF STEEL

ANCHOR

DIAMETER

SHEET METAL SCREW SIZE

AGGREGATE BASE COURSE

ABOVE FINISHED FLOOR

BOT BOTTOM BRBF BUCKLING RESTRAINED BRACED FRAME BRG BEARING BTWN BETWEEN CHANNEL CANT CANTILEVER COLD-FORMED METAL FRAMING CFMF CIP CAST-IN-PLACE CONTROL JOINT COMPLETE JOINT PENETRATION CJP CENTERLINE CL CLR CLEAR CONCRETE MASONRY UNIT CMU COL COLUMN COMP COMPOSITE CONC CONCRETE CONN(S) CONNECTION(S) CONST CONSTRUCTION CONT CONTINUOUS CONTR CONTRACT(OR) CSTJ CONSTRUCTION JOINT CTR CENTER DEMOLISH (D) DEFORMED BAR ANCHOR DBA DCW DEMAND CRITICAL WELD DEG DEGREE DIA DIAMETER DIAG DIAGONAL DIMENSION DIM DL DEAD LOAD DITTO PRESTRESSED PRECAST DOUBLE TEE PREFAB DT DTL DETAIL DWG(S) DRAWING(S) DWL(S) DOWEL(S) EXISTING (E) EACH ECCENTRICALLY BRACED FRAME EBF EE EACH END EACH FACE EXPANSION JOINT F.J ELEVATION EL ELEC ELECTRICAL ELEV ELEVATOR EMBED EMBEDMENT, EMBEDDED EDGE NAILING EN EWP ENGINEERED WOOD PRODUCT ENG ENGINEER EOD EDGE OF DECK ENGINEER OF RECORD EOR EOS EDGE OF SLAB EQ EQUAL EQUIP EQUIPMENT EQUIV EQUIVALENT EW EACH WAY EXP EXPANSION EXT EXTERIOR SPECIFIED COMPRESSIVE f'c STRENGTH OF CONCRETE SPECIFIED COMPRESSIVE f'n

FOUNDATION FIRE RESISTANCE TREATED FAR SIDE FEET (FOOT) FTG FOOTING FIELD VERIFY YIELD STRENGTH GAGE, GAUGE GALV GALVANIZED GRADE BEAM GENERAL CONTRACTOR GLUE LAMINATED BEAM GRADE HEIGHT PRESTRESSED PRECAST HOLLOW CORE TOF HDR HEADER HORIZ HORIZONTAL HEADED STUD INSIDE DIAMETER

STRENGTH OF MASONRY

FLOOR DRAIN

FD FDN

FRT

FS

FT

FV

Fy

GA

GB

GC

GLB

GR

Н

HC

HS

ID IF

IMF

INC

INT

JBE

JST

JT

Κ

KSF

IN

INSIDE FACE INTERMEDIATE MOMENT FRAME INCH INCLUDE(ING) INTERIOR JOIST BEARING ELEVATION JOIST JOINT

KIP (1,000 LBS) KIPS PER SQUARE FOOT WD

WFRS

WGT

WPS

WWR X-STR

ZRC

WP

WT

STRUCTURAL NOTES

_
R

REQUIRED STRUCTURAL OBSERVATIONS

1. IN ACCORDANCE WITH IBC, SECTION 1704.6, THE OWNER'S REPRESENTATIVE SHALL EMPLO REGISTERED DESIGN PROFESSIONAL TO PERFORM STRUCTURAL OBSERVATIONS AS LISTE BELOW STATEMENT OF REQUIRED STRUCTURAL OBSERVATIONS.

A

- 2. STRUCTURAL OBSERVATION DOES NOT INCLUDE, OR WAIVE, THE RESPONSIBILITY FOR CO THE LISTED SPECIAL INSPECTIONS OR INSPECTIONS REQUIRED BY IBC SECTION 110.
- 3. AT THE CONCLUSION OF THE WORK, THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE A WRITTEN STATEMENT THAT THE SITE VISITS HAVE BEEN MADE AND IDENTIFY ANY REPORT DEFICIENCIES WHICH, TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE BEEN RESOLVED.
- 4. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER THE ENGINEER AS TO WHEN EACH MAJOR PHASE OF CONSTRUCTION IS READY FOR OBSEI MINIMUM OF TEN (10) WORKING DAYS IN ADVANCE.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT NAILING, REINFORCEMEN CONNECTIONS, ETC. ARE VISIBLE FOR DESIGNATED STRUCTURAL OBSERVER AT THE TIME VISIT.
- 6. STRUCTURAL OBSERVATIONS FOR STRUCTURES: A. AT COMPLETION OF NEW SCREENING INSTALLATION ON EXISTING GUARDRAILS.

	C	[
	STATEMENT OF SPECIAL INSPECTIONS	
LOY A TED IN THE	 IN ACCORDANCE WITH IBC, SECTION 1704, THE OWNER'S REPRESENTATIVE SHALL EMPLOY ONE OR MORE QUALIFIED SPECIAL INSPECTORS AND/OR TESTING AGENCIES TO PERFORM STRUCTURAL TESTS AND SPECIAL INSPECTIONS ON THE TYPES OF WORK LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS. 	
COMPLETING E AHJ A RTED	2. THE DESIGNATED ENGINEER OF RECORD FOR SPECIAL INSPECTIONS SHALL BE RESPONSIBLE FOR DEFINING THE ACTIVITIES OF THE INSPECTORS, FOR CERTIFYING THE QUALIFICATIONS OF THE INSPECTORS WITH THE AHJ, AND TO ATTEND THE PRE-CONSTRUCTION MEETING TO DEFINE THEIR SCOPE OF SERVICES AND THE TESTING OR TEST PROCEDURES THAT ARE REQUIRED AS OUTLINED IN THE BUILDING CODE.	
VE NOT	 THE INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO VERIFY CONFORMANCE WITH THE APPROVED CONTRACT DOCUMENTS. 	
R TO NOTIFY ERVATION A	4. THE INSPECTOR SHALL FURNISH DAILY INSPECTION REPORTS ON THE WORK TO THE OWNER'S REPRESENTATIVE, AHJ AND ENGINEER. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND, IF UNCORRECTED, TO THE ENGINEER AND THE AHJ.	
IE OF SITE	5. THE DESIGNATED ENGINEER OF RECORD FOR SPECIAL INSPECTIONS SHALL COMPLETE, SIGN AND SEAL A FINAL REPORT CERTIFYING THAT TO THE BEST OF THEIR KNOWLEDGE, THE WORK IS IN CONFORMANCE WITH THE APPROVED CONTRACT DOCUMENTS.	
	 SPECIAL INSPECTION IS TO BE PROVIDED IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE AHJ AND SHALL NOT BE CONSTRUED TO RELIEVE THE OWNER OR AUTHORIZED AGENT FROM REQUESTING THE INSPECTIONS REQUIRED BY IBC SECTION 110. 	
	7. STEEL CONSTRUCTION: SPECIAL INSPECTIONS FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360-16. PROVIDE INSPECTION PER IBC SECTION 1704.2.5 FOR STRUCTURAL LOADING-BEARING MEMBERS AND ASSEMBLIES FABRICATED ON THE PREMISES OF A FABRICATOR'S SHOP. THESE INSPECTIONS SHALL BE AT CONTRACTOR'S EXPENSE IF THE FABRICATOR IS NOT AN APPROVED FABRICATOR PER SECTION 1704.2.5.1.	
	 WELDING: WELDING INSPECTION SHALL BE IN COMPLIANCE WITH AWS D1.1. THE BASIS FOR WELDING INSPECTOR QUALIFICATIONS SHALL BE AWS D1.1. PROVIDE SPECIAL INSPECTION IN ACCORDANCE WITH AISC 360-16 TABLE N5.4-1 THROUGH TABLE N5.4-3. 	

- 9. STEEL DETAILING: AN INSPECTION OF THE STEEL FRAME SHALL BE PERFORMED TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE APPROVED CONSTRUCTION DOCUMENTS, SUCH AS BRACING, STIFFENING, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.
- 10. HIGH STRENGTH BOLTING: INSTALLATION OF HIGH STRENGTH BOLTS SHALL BE PERIODICALLY INSPECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. HIGH STRENGTH BOLTING. PROVIDE SPECIAL INSPECTION IN ACCORDANCE WITH AISC 360-16 TABLE N5.6-1 THROUGH TABLE N5.6-3.

AISC 360 — TABLE N5.4-1		
INSPECTION TASKS PRIOR TO WELDING		
INSPECTION TASKS PRIOR TO WELDING	QC	QA
Welder qualification records and continuity records	Р	0
Welding procedure specifications (WPS) available	Р	Р
Manufacturer certifications for welding consumables available	Р	Р
Material identification (type / grade)	0	0
Welder identification system [a]	0	0
 Fit-up of groove welds (including joint geometry) Joint preparations Dimensions (alignment, root opening, root face, bevel) Cleanliness (condition of steel surfaces) Tacking (tack weld quality and location) Backing type and fit (if applicable) 	0	0
 Fit-up of CJP groove welds of HSS T-, Y- and K-joints without backing (including joint geometry) Joint preparations Dimensions (alignment, root opening, root face, bevel) Cleanliness (condition of steel surfaces) Tacking (tack weld quality and location) 	Р	0
Configuration and finish of access holes	0	0
 Fit-up of fillet welds Dimensions (alignment, gaps at root) Cleanliness (condition of steel surfaces) Tacking (tack weld quality and location) 	0	0
Check welding equipment	0	_

[a] The fabricator or erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified. Stamps, if used, shall be the low-stress type. O - Observe these items on a random basis. Operations need not be delayed pending these inspections.

P - Perform these tasks for each welded joint or member.		
AISC 360 — TABLE N5.4-2		
INSPECTION TASKS DURING WELDING		
INSPECTION TASKS DURING WELDING	QC	QA
Control and handling of welding consumables		
Packaging	0	0
Exposure Control		
No welding over cracked tack welds	0	0
Environmental conditions		
Wind speed within limits	0	0
Precipitation and temperature		
 WPS Followed Settings on welding equipment Travel Speed Selected welding materials Shielding gas type / flow rate Preheat applied Interpass temperature maintained (min. / max.) Proper position (F, V, H, OH) 	0	0
 Welding techniques Interpass and final cleaning Each pass within profile limitations Each pass meets quality requirements 	0	0
Placement and installation of steel headed stud anchors	Р	Р
O - Observe these items on a random basis. Operations need not be delayed pending the	se inspections.	
P - Perform these tasks for each welded joint or member.		
AISC 360 — TABLE N5.4-3		
INSPECTION TASKS AFTER WELDING		
INSPECTION TASKS AFTER WELDING	QC	QA
Welds cleaned	0	0

Welds dealed		0
Size, length and location of welds	Р	Р
Welds meet visual acceptance criteria		
Crack prohibition		
Weld / base-metal fusion		
Crater cross section	В	Б
Weld profiles		F
Weld size		
Undercut		
Porosity		
Arc strikes	Р	Р
k-area [a]	Р	Р
Weld access holes in rolled heavy shapes and build-up heavy shapes [b]	Р	Р
Backing removed and weld tabs removed (if required)	Р	Р
Repair activities	Р	Р
Document acceptance or rejection of welded joint or member	Р	Р
No prohibited welds have been added without the approval of the EOR	0	0
[a] When welding of doubler plates, continuity plates or stiffeners has been performed in the web k-area for cracks within 3 inches (75 mm) of the weld.	the k-area, visu	ally inspect

[b] After rolled heavy shapes (see Section A3.1c) and built-up heavy shapes (see Section A3.1d) are welded, visually inspect the weld access hole for cracks.

O - Observe these items on a random basis. Operations need not be delayed pending these inspections.

P - Perform these tasks for each welded joint or member.

AISC 360 — TABLE N5.6-1 INSPECTION TASKS PRIOR TO BOLTING

INSPECTION TASKS PRIOR TO BOLTING Manufacturer's certifications available for fastener materials

Fasteners marked in accordance with ASTM requirements Proper fasteners selected for the joint detail (grade, type, bolt length if threads are excluded from shear plane) Proper bolting procedure selected for joint detail Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements

Pre-installation verification testing by installation personnel observed and document fastener assemblies and methods used Proper storage provided for bolts, nuts, washers, and other fastener components O - Observe these items on a random basis. Operations need not be delayed pen

P - Perform these tasks for each bolted connection. AISC 360 — TABLE N5.6-2

INSPECTION TASKS DURING BOLTING

INSPECTION TASKS DURING BOLTING Fastener assemblies placed in all holes and washers and nuts are positioned as re

Joint brought to the snug-tight condition prior to the pretensioning operation Fastener component not turned by the wrench prevented from rotating Fasteners are pretensioned in accordance with the RCSC Specification, progressir systematically from the most rigid point toward the free edges

O - Observe these items on a random basis. Operations need not be delayed pen P - Perform these tasks for each bolted connection.

> AISC 360 — TABLE N5.6-3 INSPECTION TASKS AFTER BOLTING

INSPECTION TASKS AFTER BOLTING Document acceptance or rejection of bolted connections O - Observe these items on a random basis. Operations need not be delayed pen P - Perform these tasks for each bolted connection.

G	1	
	QC	QA
	0	Р
	0	0
e to be	0	0
	0	0
•	0	0
ented for	Р	0
	0	0
;		
	QC	QA
required	0	0
	0	0
	0	0
sing	0	0
nding thes	e inspections.	
	QC	QA
	QC P	QA P

PERMIT SET 05/09/2025 REVISIONS

73-24145-00

GENERAL STRUCTURAL NOTES & SPECIAL INSPECTIONS

5E TYP STAIR ELEVATION SCALE: 1/4" = 1'-0"

3 SIDES - PL 3/8" X 4" X 0'-6" CENTERED @ EACH POST

TOP OF STEEL HOUSING BUILDING AT PERIMETER 123' - 0"

HSS POST PER PLAN W/ STD HOLE

PL 1/4"X2 1/2" CROSS BAR WHERE NECESSARY - TERMINATE
 CAPTURE PL ABOVE AND BELOW
 CROSS BAR HSS POST PER PLAN -L2 1/2X2 1/2X3/16 (CAPTURE PL — AND MESH SCREENING NOT SHOWN FOR CLARITY)

2E CROSS BAR BRACING S2.0 SCALE: 1 1/2" = 1'-0"

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