Sheet List	
Sheet Number	Sheet Name
A000	COVER SHEET
A001	3D Views
A002	Abbreviations / Symbols and Material Legends
A003	GENERAL NOTES
A004	Energy Code Data
A007	Barrier Free Details
A008	Barrier Free Details
A009	Barrier Free Details
A010	Barrier Free Details
A020	LIFE SAFETY PLANS LEVELS 2-4
A021	LIFE SAFETY PLAN LEVEL 1
A030	LEVEL1 WALL TYPES PLAN
A031	LEVELS 2-4 WALL TYPES PLANS
A102	SITE PLAN
A103	GARAGE LEVEL
A104	FLOOR PLANS LEVELS 2,3, & 4
A109	ROOF PLAN
A301	UNIT PLAN A
A302	UNIT PLAN B
A303	UNIT PLAN C (UNIT E REVERSED)
A304	UNIT PLAN D
A306	UNIT PLAN F
A309	UNIT PLAN H
A310	COMMUNITY ROOM - FITNESS ROOM
A501	ELEVATIONS
A601	BUILDING SECTIONS
A701	SCHEDULES
A801	STAIR A PLANS
A802	ELEVATOR & STAIR B PLANS
A803	ELEVATOR & STAIR B SECTION
A900	WALL ASSEMBLIES
A901	ROOF-CEILING-FLOOR ASSEMBLIES
A902	DETAILS
A903	DECK DETAILS
A904	EXTERIOR DETAILS (ROOF)
A905	FIRESTOP DETAILS 1
A906	FIRESTOP DETAILS 2
A910	SEALANT SYSTEM DETAILS
A911	HARDIE WALL DETAILS
C0.01	SITE DEVELOPMENT-DT1-CV 1
C0.02	SITE DEVELOPMENT-DT1-EC1
C0.03	SITE DEVELOPMENT-DT1-PG1
C0.04	SITE DEVELOPMENT-DT1
C0.21	ROW-CV1
C0.22	ROW--EC1
C0.23	ROW-PG1
C0.24	ROW-DT1
C0.25	ROW-DT2
C0.26	ROW-TC1
L1	Landscape Plans
L2	Landscape Details
S1.0	Structural Notes
S1.1	Special Insopection Notes
S1.2	Special Inspection
S2.0	Foundation Plan
S2.1	Foundation Details
S3.0	Second Floor Framing Plan
S3.1	Structural Details
S3.2	Structural Details
S3.3	Structural Details
S4.0	Third Floor Framing Plan
S5.0	Fourth Floor Framing Plan
S6.0	Roof Framing Plan
S6.1	High Roof Framing Plan
S6.2	Roof Framing Details
S7.0	First Floor Shearwall Plan
S8.0	Second Floor Shearwall Plan
S9.0	Third Floor Shearwall Plan
S10.0	Fourth Floor Shearwall Plan
S11.0	Stair Framing Plan
x1001	2152 2ND FLOOR

BUILDING AND SITE DATA

OCCUPANCY	*MUR-45*
CONSTRUCTION TYPE	*Type V-A Sprinklered NFPA13*
PROPOSED SITE & BUILDING CONSTRUCTION	
SITE AREA	*9,744 SF*
BUILDING COVERAGE	*7,224 SF*
LANDSCAPE AREA	*1,476 SF*
NUMBER OF UNITS	*21 TYPE B, 1 TYPE A - TOTAL = 22*
PARKING REQUIRED	*19 1-BEDROOM UNITS X .75 = 11.25* *3 2-BEDROOM UNITS X 1.5 = 4.5* *TOTAL = 15.75 (16)*
PARKING PROVIDED	*9 STANDARD, 9 COMPACT, 1 ACCESSIBLE - TOTAL = 19*
OPEN SPACE REQUIRED	*19 1-BEDROOM UNITS X 100 = 1,900* *3 2-BEDROOM UNITS X 130 = 390* *TOTAL = 2,290 SQ. FT.*
OPEN SPACE PROVIDED PROVIDED	*9 STANDARD, 9 COMPACT, 1 ADA - TOTAL = 19*

Project Data:

Current Zone:	**MUR-45'**	Seismic Design Category:	**D**
Comp Plan Designation:	**SA 2**	Risk Category:	**II**
Building Height / Stories:	**45'/ 4**	Site Class:	**D**
SEPA Required:	**No**	Wind Speed / Exposure:	**110 mph /B**
Construction Type:	**V-A**	Soil Bearing Capacity:	**Verify**
Occupancies:	**R-2/ S-2**	Sprinklers Required:	**YES**
		Fire Alarm Required:	**YES**

CODE SUMMARY

Shoreline Municipal Code (SMC)
Shoreline Comprehensive Plan (SCP)
City of Shoreline Engineering Development Manual
2012 Department of Ecology Stormwater Management Manual for Western Washington
2015 International Building Code (IBC) with Washington State Amendments
ICC/ANSI A117.1-2009 Accessibility Requirements with Washington State Amendments
2015 International Mechanical Code (IMC) with Washington State Amendments
2015 International Fuel Gas Code (IFGC) with Washington State Amendments
2015 International Energy Conservation Code with Washington State Amendments (WSEC)
2015 Uniform Plumbing Code (UPC) with Washington State Amendments
2015 International Fire Code (IFC) with Shoreline and Washington State Amendments

PROJECT TEAM

OWNER:

TP HOMES, LLC
5936 NE 3RD CT
RENTON, WA 98059
(425) 282-7082
EMAIL:
TPHOMELLC@YAHOO.COM
CONTACT: VINH QUANG

DESIGN ARCHITECT:

Dale Sweeney Architect

5715 143rd Place SE
Bellevue, WA 98006

425-260-8969

Dale Sweeney
dale.design3d@gmail.com

CONSULTANT DESIGNER:

COLLINS PLANNING AND DESIGN, LLC

1122 HARDING ST
ENUMCLAW, WA 98022

206-430-273

TIMOTHY COLLINS
TIMOTHY@COLLINSPD.COM

LANDCAPE :

Archsoft Consultants

George Braslaw
Architect / Landscape
Architect AIA, CSI

Gbraslaw@archsoft.net
(425) 820-0840

STRUCTURAL :

MC Squared Inc

1235 East 4th Ave
Suite 101
Olympia, WA

360-754-9339

Michael Szramek, PE SE
mike@mc2-inc.com

CIVIL :

PBG, LLC
5130 S. 166TH LANE
SEATAC, WA 98188
(206) 446-1292
EMAIL: PBG.ENGR@YAHOO.COM
CONTACT: HAN PHAN, P.E.

SURVEYOR

TOUMA ENGINEERS & LAND SURVEYORS, PLLC 225 SW 41ST STREET
RENTON WA 98057
(425) 251-0665
EMAIL:
TOUMAENGINEERING@GMAIL.COM
CONTACT: DAN TOUMA, PLS

MECHANICAL, ELECTRICAL and PLUMBING :

Robison Engineering Inc.
19401 40th Avenue W, Suite 302
Lynnwood, WA 98036
T 206.364.3343 C 206.601-9564 http://www.robisonengineering.com

Mechanical (primary contact)
Jacob O'Brien
jobrien@robisonengineering.com

Plumbing
David Phillips
dphillips@robisonengineering.com

Electrical
Salvador Escalona
sescalona@robisonengineering.com

PARCEL INFORMATION

Parcel Numbers for the project is: 370590-0032

LEGAL DESCRIPTION
THE NORTH 121 FEET OF TRACT 6 OF JERSEY SUMMER HOMES, AS PER PLAT RECORDED IN VOLUME 21 OF PLATS, PAGE 96, RECORDS OF KING COUNTY,

EXCEPT THE EAST 64.5 FEET THEROF;

SITUATE IN THE CITY OF SHORELINE, COUNTY OF KING, STATE OF WASHINGTON.

PROJECT DESCRIPTION

CONSTRUCTION OF A NEW 22 UNIT APARTMENT BUILDING WITH PARKING ON THE AT GRADE LEVEL .

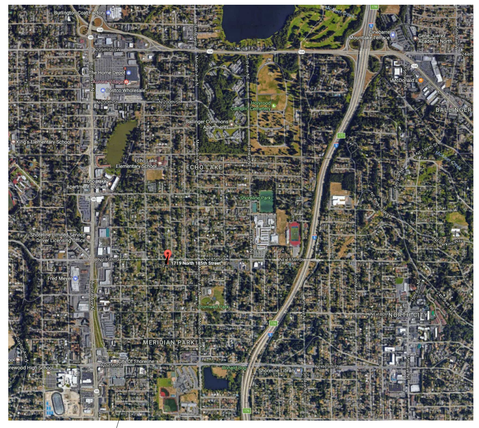
JOB ADDRESS

2152 N 185th STREET, SHORELINE, WA 98133

THE UNDERSIGNED HAS PROVIDED BUILDING ENCLOSURE DOCUMENTS THAT IN MY PROFESSIONAL JUDGEMENT ARE APPROPRIATE TO SATISFY THE REQUIREMENTS OF RCW 64.55.005 THROUGH 64.55.090.

7227 REGISTERED ARCHITECT DALE SWEENEY STATE OF WASHINGTON

VINCINITY MAP



PROJECT LOCATION

7227 REGISTERED ARCHITECT DALE SWEENEY STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/VSD:

REVISIONS
NO. DATE Revision Description
1 9/18/19 City Comments

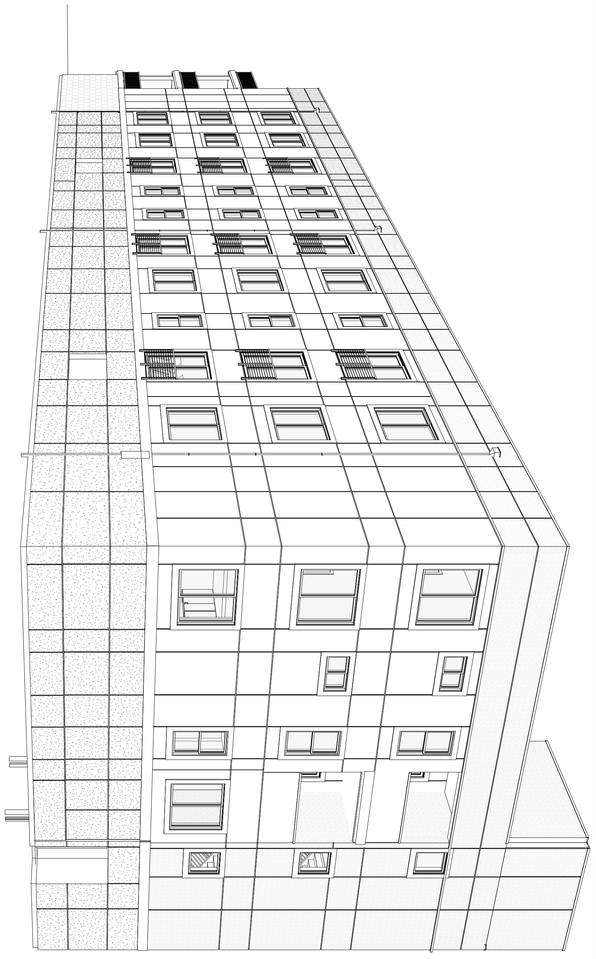
TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

COVER SHEET

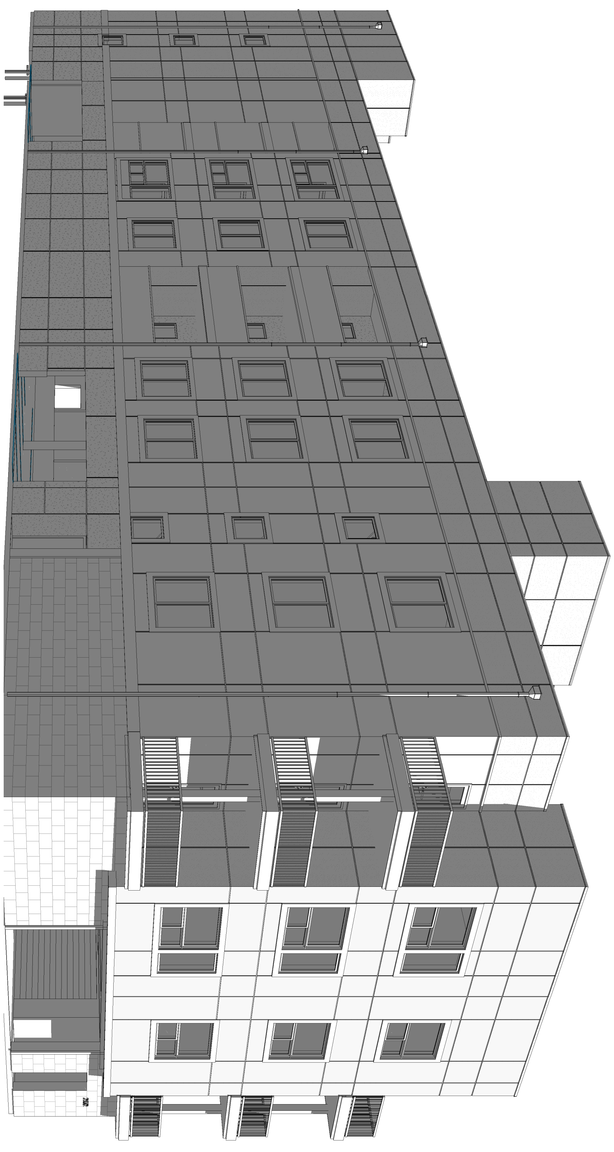
PRINT DATE:
2/15/2021 12:45:49 PM

SHEET NO.
A000

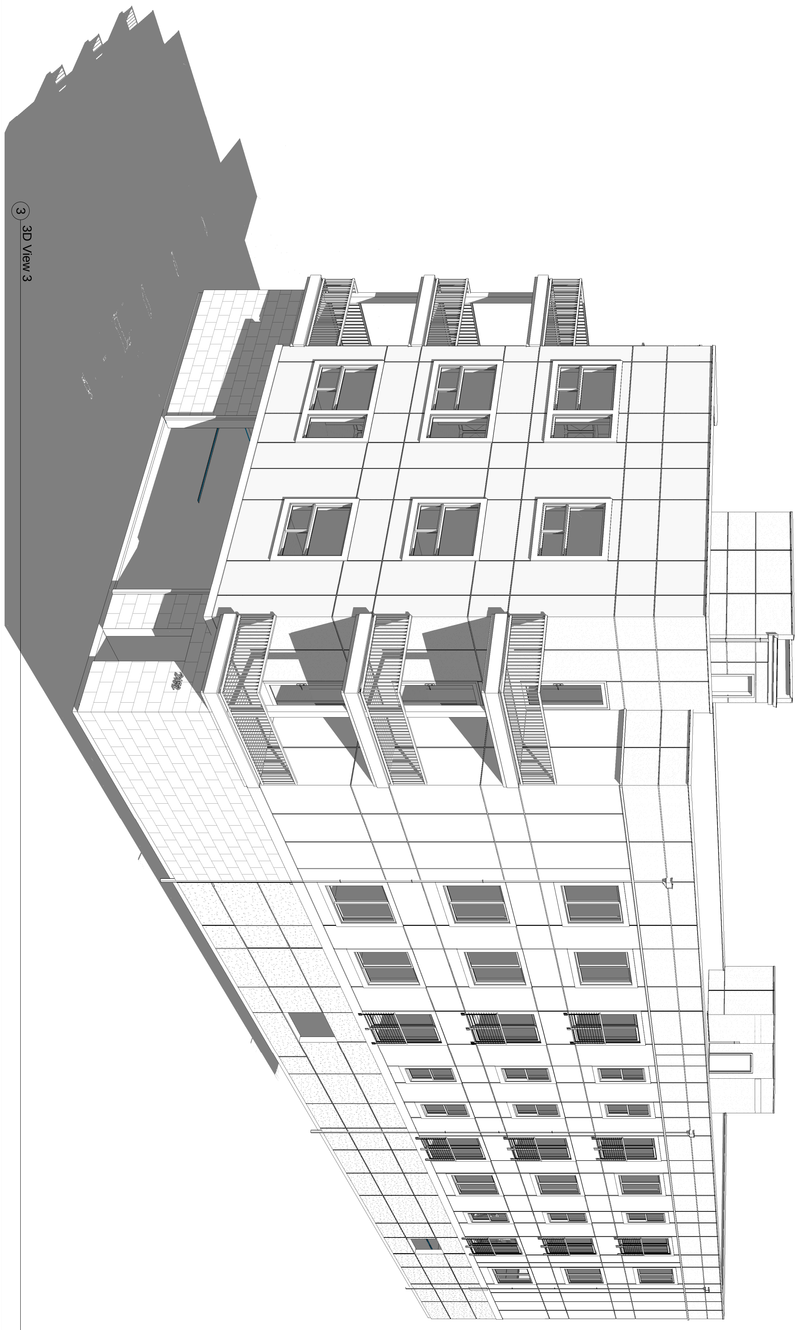
1 3D View 1



2 3D View 2



3 3D View 3



SHEET NO.	A001
PRINT DATE:	2/15/2021 12:46:11 PM
3D Views	

TP HOME 22 UNIT APTS.
2152
TP Home LLC
2152 N 185TH ST.

REVISIONS

NO.	DATE	Revision Description

JOB NO:	SHRLN-001
DATE:	6/26/2017
DWN. BY:	Author
CHKD BY:	Checker
RVSD:	Checker

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

7227 REGISTERED ARCHITECT
DALE SWEENEY
STATE OF WASHINGTON

ARCHITECTURAL ABBREVIATIONS

&	AND	DET	DETAIL
∠	ANGLE	DEP	DEPRESSED
@	AT	DF	DRINKING FOUNTAIN
℄	CENTER LINE	DH	DIAGONAL HUNG
⌀	DIAMTER or ROUND	DIA	DIAMETER
⊥	PERPENDICULAR	DIAG	DIAGONAL, DIAGRAM
#	POUNDS or NUMBER	DIAM	DIAMETER
x	TIMES or BY	DIM	DIMENSION
ℙ	PROPERTY LINE	DISP	DISPENSER
		DIV	DIVISION
	'A'	DL	DEAD LOAD
AB	ANCHOR BOLT	DMPF	DAMPROOF(ING)
ABC	AGGREGATE BASE COURSE	DMT	DEMOUNTABLE
ABV	ABOVE	DN	DOWN
AC	ASPHALTIC CONCRETE	DP	DAMP PROOFING
A/C	AIR CONDITIONING	DPR	DAMPER
ACC	ACCESS	DR	DOOR, DINING ROOM,
ACFL	ACCESS FLOOR		DRESSING ROOM, DRIVE
ACID RES	ACID RESISTANT	DRN	DRAIN
ACP	ACOUSTICAL PANEL	DRST	DOOR STOP
ACT	ACOUSTICAL TILE	DS	DOWNSPOUT
AD	AREA DRAIN	DSP	DRY STANDPIPE
ADD	ADDENDUM	DSPL	DISPOSAL
ADH	ADHESIVE	DT	DRAIN TILE
ADJT	ADJUSTABLE	DTA	DOVETAIL ANCHOR
AF	ACCESS FLOOR	DTL	DETAIL
AFF	ABOVE FINISH FLOOR	DTS	DOVETAIL ANCHOR SLOT
AFG	ABOVE FINISH GRADE	DW	DUMBWAITER
AFS	ABOVE FINISH SLAB	DWG	DRAWING
AGGR	AGGREGATE	DWR	DRAWER
ALT	ALTERNATE		'E'
ALUM	ALUMINUM	E	EAST
ANOD	ANODIZED	(E)	EXISTING
AP	ACCESS PANEL	EA	EACH
APC	ACOUSTICAL PANEL CEILING	EHD	ELECTRIC HAND DRYER
APPROX	APPROXIMATE(LY)	EIFS	EXTERIOR INSULATION
ARCH	ARCHITECT(URAL)		FINISH SYSTEM
ASB	ASBESTOS	EJ	EXPANSION JOINT
ASKLR	AUTOMATIC SPRINKLER	EL	ELEVATION
ASPH	ASPHALT	ELEC	ELECTRIC(AL)
ASSY	ASSEMBLY		
ASTM	AMERICAN SOCIETY for TESTING & MATERIALS	ELEV	ELEVATOR
		EMER	EMERGENCY
ATC	ACOUSTICAL TILE CEILING	ENCL	ENCLOSURE
ATF	ATHLETIC FLOORING	ENGR	ENGINEER
AUTO	AUTOMATIC	ENTR	ENTRANCE
AWP	ACOUSTICAL WALL PANEL	ESMT	EASEMENT
		EP	ELECTRICAL PANEL
	'B'	EQ	EQUAL
BALC	BALCONY	EQUIP	EQUIPMENT
BB	BULLETIN BOARD	EST	ESTIMATE
BD	BOARD	EW	EACH WAY
BEL	BELOW	EWC	ELECTRICAL WATER COOLER
BET	BETWEEN	EXCA	EXCAVATE(ION)
BITUM	BITUMINOUS	EXH FN	EXHAUST FAN
BKG	BACKING	EXH HD	EXHAUST HOOD
BJT	BED JOINT	EXIST	EXISTING
BLDG	BUILDING	EXP	EXPANSION, EXPOSED, EXPOSURE
BLKG	BLOCKING		
BLTN	BUILT-IN	EXP BT	EXPANSION BOLT
BM	BEAM	EXT	EXTERIOR
BOD	BOTTOM OF DECK	EXT LT	EXIT LIGHT
BOF	BOTTOM OF FOOTING		
BOH	BACK OF HOUSE		'F'
BOJ	BOTTOM OF JOISTS	FA	FIRE ALARM, FRESH AIR
BOT	BOTTOM	FACP	FIRE ALARM CONTROL PANEL
BPL	BEARING PLATE	FAS	FASTEN(ER)
BR	BEDROOM	FB	FLAT BAR
BRCG	BRACING	FBD	FIRE BOARD
BRG	BEARING	FBRK	FIRE BRICK
BRK	BRICK	FBO	FURNISHED BY OTHERS
BRZ	BRONZE	FD	FLOOR DRAIN
BS	BOTH SIDES	FDC	FIRE DEPARTMENT CONNECTION
BSMT	BASEMENT	FDTN	FOUNDATION
BUR	BUILT-UP ROOF(ING)	FE	FIRE EXTINGUISHER
BVL	BEVEL	FEC	FIRE EXTINGUISHER CABINET
BW	BOTH WAYS	FF	FACTORY FINISH
		FF EL	FINISH FLOOR ELEVATION
	'C'	FF&E	FURNITURE, FIXTURE & EQUIPMENT
CAB	CABINET	FFL	FINISHED FLOOR LINE
CB	CATCH BASIN, CORNER BEAD	FGL	FIBERGLASS
CAN	CANOPY	FH	FIRE HYDRANT
CANTIL	CANTILEVER	FHC	FIRE HOSE CABINET
CBB	CEMENTITIOUS (BACKER) BOARD	FIN	FINISH(ED)
CEM	CEMENT	FIN FLR	FINISH FLOOR
CER	CERAMIC	FIN GR	FINISH GRADE
CF	CONTRACTOR FURNISHED	FJT	FLUSH JOINT
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED	FLA	FLASHING
		FLCO	FLOOR CLEAN OUT
CF/OI	CONTRACTOR FURNISHED/ OWNER INSTALLED	FLG	FLASHING
		FLR	FLOOR, FILLER
CFE	CONTRACTOR FURNISHED EQUIPMENT	FLUOR	FLUORESCENT
		FND	FOUNDATION
CFLG	COUNTERFLASH(ING)	FO	FINISH OPENING
CFT	CUBIC FOOT	FOB	FACE OF BRICK
CG	CORNER GUARD	FOC	FACE OF CONCRETE
CH BD	CHALKBOARD	FOF	FACE OF FINISH
CHFR	CHAMFER	FOM	FACE OF MASONRY
CHT	CEILING HEIGHT	FOS	FACE OF STUD(S)
CI	CAST IRON	FP	FIREPROOF
CIP(C)	CAST-IN-PLACE (CONCRETE)	FPL	FLOOR PLATE
CIR	CIRCLE/CIRCULAR	FRMG	FRAMING
CIRC	CIRCUMFERENCE	FR	FRAME(D)/FRAMING
CJ	CONTROL JOINT, CONSTRUCTION JOING	FRA	FRESH AIR
		FRC	FIRE-RESISTANT COATING
CK	CAULK(ING)	FRP	FIBER REINFORCED POLYESTER
CLG	CEILING	FRR	FIRE-RESISTANCE RATING
CLL	CONTRACT LIMIT LINE	FRTW	FIRE RETARDENT
CLR	CLEAR(ANCE)		TREATED WOOD
CLRM	CLASSROOM	FRZ	FREEZER
CLS	CLOSURE	FS	FULL SIZE, FULL SCALE
CMT	CERAMIC MOSAIC	FT	FOOT or FEET, FIRE TREATED
CMU	CONCRETE MASONRY UNIT(S)	FTD	FACIAL TISSUE DISPENSER
CMPST	COMPOSITE	FTG	FOOTING
CNTR	COUNTER	FUR	FURR(ED/ING)
CO	CLEANOUT, CASED OPENING, CUTOUT	FUT	FUTURE
		FWC	FABRIC WALLCOVERING
COL	COLUMN		
COMB	COMBINE/COMBINATION		'G'
COMP	COMPRESS(ED/ION/IBLE)	GA	GAUGE
COMPO	COMPOSITION/COMPOSITE	GALV	GALVANIZED, GALVANIC
COMPT	COMPARTMENT	GB	GRAB BAR
CONC	CONCRETE	GC	GENERAL CONTRACTOR
CONF	CONFERENCE	GD	GRADE, GRADING
CONN	CONNECT	GDR	GUARD RAIL
CONST	CONSTRUCTION	GEN	GENERAL, GENERATOR
CONT	CONTINUE/CONTINUOUS	GF	GROUND FACE
CONTR	CONTRACTOR	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
COR	CORRIDOR		
CORR	CORRUGATED	GFRC	GLASS FIBER REINFORCED CONCRETE
COTG	CLEANOUT TO GRADE		
CPLP	CEMENT PLASTER (PORTLAND)	GI	GALVANIZED IRON
CPR	COPPER	GKT	GASKT(ED)
CPT	CARPET	GL	GLASS/GLAZING
CR	CLOSET ROD	GL BLK	GLASS BLOCK
CRG	CROSS GRAIN	GLU LAM	GLU-LAMINATED BEAM/WOOD
CRS	COURSE	GP	GALVANIZED PIPE
CRT YD	COURTYARD	GPDW	GYPSUM DRYWALL
CSK	COUNTERSINK(SUNK)	GPL	GYPSUM LATH
CSMT	CASEMENT	GPPL	GYPSUM PLASTER
CST	CAST STONE	GR FL	GROUND FLOOR
CSWK	CASEWORK	GR LN	GRADE LINE
CT	CERAMIC TILE	GRN	GRANITE
CTB	CERAMIC TILE BASE	GSB	GYPSUM SHEATHING BOARD
CTR	CENTER	GSM	GALVANIZED SHEET METAL
CU FT	CUBIC FEET	GSS	GLAZED STRUCTURAL SHEET
CU YD	CUBIC YARD(S)	GST	GLAZED STRUCTURAL TILE
CW	COLD WATER	GT	GROUT
		GUT	GUTTER
	'D'	GV	GALVANIZED

	'H'		
HB	HOSE BIBB		
HBD	HARDBOARD	OF/OI	OWNER FURNISHED/ OWNER INSTALLED
HC	HANDICAP, HOLLOW CORE		
HD	HAND DRYER, HEAVY DUTY	OFD	OVERFLOW DRAIN
HDR	HEADER	OFF	OFFICE
HDW	HARDWARE	OFS	OUTSIDE FACE OF STUD
HDWD	HARDWOOD	OGL	OBSCURE GLASS
HES	HIGH EARLY STRENGTH CEMENT	OH	OVER(HANG/HEAD)
HK	HOOK	OH DR	OVERHEAD (COILING) DOOR
HM	HOLLOW METAL	OPNG	OPENING
HNDRL	HANDRAIL	OPH	OPPOSITE HAND
HO	HOLD-OPEN	OPP	OPPOSITE
HORIZ	HORIZONTAL	OPS	OPPOSITE SURFACE
HT	HEIGHT	OPT	OPTIONAL
HTG	HEATING	ORD	OVERFLOW ROOF DRAIN
HVAC	HEATING VENTILATING AIR CONDITIONING		
			'P'
HW	HOTWATER	P	PAINT
HWT	HOTWATER TANK	PA	PUBLIC ADDRESS
HEX/HX	HEXAGONAL	PAR	PARALLEL
		PAT	PATTERN
	'I'	PB	PANIC BAR, PANELBOARD
ID	INSIDE DIAMETER, INSIDE DIMENSION	PBD	PARTICLE BOARD
		PCC	PRECAST CONCRETE
INCAND	INCANDESCENT	PCF	POUNDS PER CUBIC FOOT
INCIN	INCINERATOR	PE	PEDESTAL
INCL	INCLUDED	PED	PEDESTAL
INSUL	INSULATION	PEND	PENDANT
INT	INTERIOR	PERF	PERFORATE(D)
INTM	INTERMEDIATE	PERIM	PERIMETER
INV	INVERT(ED)	PERM	PERMANENT
IPS	IRON PIPE SIZE	PFB	PREFABRICATED
IS	ISLAND, INSECT SCREEN	PFL	POUNDS PER LINEAR FOOT
ISO	ISOMETRIC	PFM	PREFINISHED
IWH	INSTANTANEOUS WATER HEATER	PG	PLATE GLASS
		PH	PHASE
		PIL	PILASTER
	'J'	PK GAR	PARKING GARAGE
J	JOIST	PK LOT	PARKING LOT
JC	JANITOR'S CLOSET	PL	PROPERTY LINE
JF	JOINT FILLER	PLAM	PLASTIC LAMINATE
JT	JOINT	PLAS	PLASTIC
J-BOX	JUNCTION BOX	PLST	PLASTER
		PLY	PLYWOOD
	'K'	PNL	PANEL
KO	KNOCK OUT	PNT	PAINT(ED)
KIT	KITCHEN	POL	POLISH(ED)
KPL	KICKPLATE	PORC	PORCELAIN
		PR	PAIR, PIPE RAIL
	'L'	PRCST	PRECAST
L	LENGTH	PREFAB	PREFABRICATE(D)
LAB	LABORATORY	PREFIN	PREFINISHED
LAD	LADDER	PRELIM	PRELIMINARY
LAM	LAMINATE	PRF	PREFORMED
LAV	LAVATORY	PRKG	PARKING
LB	POUND	PROP	PROPERTY
LBL	LABEL	PSC	PRE-STRESSED CONCRETE
LC	LIGHT CONTROL	PSF	POUNDS PER SQUARE FOOT
LD BRG	LOAD BEARING	PSI	POUNDS PER SQUARE INCH
LGT	LIGHT(ING)	PSL	PIPE SLEEVE
LH	LEFT HANDED	PT	PRESSURE TREATED
LIB	LIBRARY	PTD	PAPER TOWEL DISPENSER
LINO	LINOLEUM	PTDR	PAPTER TOWEL DISPENSER & RECEPTACLE
LKR	LOCKER		
LKR RM	LOCKER ROOM	PTN	PARTITION
LL	LIVE LOAD, LOWER LEVEL	PTR	PAPER TOWEL RECEPTACLE
LLH	LONG LEG HORIZONTAL	PV	PAVE(D)
LLV	LONG LEG VERTICAL	PVC	POLYVINYL CHLORIDE
LMS	LIMESTONE	PVMT	PAVEMENT
LOC	LOCATION	PWR	POWER
LOUV	LOUVER		
LP	LIGHT POLE		'Q'
LPT	LOW POINT	QT	QUARRY TILE
LPG	LIQUID PETROLEUM GAS	QTB	QUARRY TILE BASE
LRG	LARGE	QTR	QUARTER
LT	LIGHT	QTY	QUANTITY
LT SW	LIGHT SWITCH	QUAD	QUADRANT
LTG	LIGHTING	QUAL	QUALITY
LTL	LINTEL		
LT	LIGHT(ING)		'R'
LVR	LOUVER	R	RADIUS, RISER, RANGE
LW	LIGHTWEIGHT	RA	RETURN AIR
LWC	LIGHTWEIGHT CONCRETE	RAD	RADIUS
		RB	RUBBER BASE
	'M'	RB HK	ROBE HOOK
M	METER	RBL	RUBBLE STONE
MAINT	MAINTENANCE	RBT	RUBBER TILE
MAS	MASONRY	RCP	REFLECTED CEILING PLAN
MATL	MATERIAL	RCPTN	RECEPTION
MAX	MAXIMUM	RD	ROOF DRAIN, ROAD
MB	MACHINE BOLT, MAIL BOX	REBAR	REINFORCING STEEL BARS
MBR	MEMBER	REC	RECESSED
MC	MEDICINE CABINET, MANHOLE COVER, METAL-CLAD	RECPT	RECEPTACLE
		REF	REFERENCE
MECH RM	MECHANICAL ROOM	REFG	REFRIGERATOR
MECH	MECHANICAL	REFL	REFLECTED
MED	MEDIUM, MEDICAL	REG	REGISTER
MEL	MELAMINE	REINF	REINFORCE(D)
MEMB	MEMBRANE	REM	REMOVE(ABLE)
MET	METAL	REQD	REQUIRED
MFD	METAL FLOOR DECKING	RESIL	RESILIENT
MEZZ	MEZZANINE	REST	RESTROOM
MFR	MANUFACTURE(R)	REV	REVISED, REVISION
MFR REC	MANUFACTURER'S RECOMMENDATION	RF	RESILIENT FLOORING
		RFG	ROOFING
MH	MANHOLE	RFH	ROOF HATCH
MIN	MINIMUM	RFL	REFLECTIVE(OR)
MIRR	MIRROR	RH	RIGHT HANDED
MISC	MISCELLANEOUS	RH	ROOF HATCH
MLDG	MOLDING (MOULDING)	RL	RAIL(ING)
MLWK	MILLWORK	RM	ROOM
MMB	MEMBRANE	RO	ROUGH OPENING
MO	MASONRY OPENING, MOTOR OPERATED	ROW	RIGHT OF WAY
		RT	RIGHT
MOD	MODIFY	RTF	RUBBER TILE FLOOR
MOD	MODULAR	RVS	REVERSE
MOPR	MOP RACK	RWL	RAIN WATER LEADER
MOV	MOVABLE	RWR	RECESSED WASTE RECEPTACLE
MR	MAP RECEPTOR		
MRB	MARBLE		'S'
MRD	METAL ROOF DECK(ING)	S	SOUTH
MS	MOP SINK, MACHINE SCREW	SA	SUPPLY AIR
MT	MOUNT(ED/ING)	SAN	SANITARY
MTFR	METAL FURRING	SC	SOLID CORE
MTHR	METAL THRESHOLD	SCD	SEAT COVER DISPENSER
MTL	METAL	SCHED	SCHEDULE
MTLR	METAL ROOF	SCP	SCUPPER
MULL	MULLION	SCR	SHOWER CURTAIN ROD
MVBL	MOVABLE	SCRN	SCREEN
MWK	MILLWORK	SCT	STRUCTURAL CLAY TILE
		SD	SMOKE DETECTOR, STORM DRAIN,
	'N'		
N	NORTH		
NAT	NATURAL	SDG	SIDING
NCOMBL	NONCOMBUSTIBLE	SECT	SECTION
NIC	NOT IN CONTRACT	SF	SQUARE FOOT (FEET)
NL	NIGHT LIGHT	SFGL	SAFETY GLASS
NMT	NONMETALLIC	SG	SHEET GLASS
NO	NUMBER	SGD	SLIDING GLASS DOOR
NOM	NOMINAL	SH	SHELF
NR	NOISE REDUCTION	SHFT	SHAFT (ELEVATOR)
NRC	NOISE REDUCTION COEFFICIENT	SHO	SHORE(D/ING)
NS	NO SCALE	SHR	SHOWER
NTS	NOT TO SCALE	SHT	SHEET
		SHTHG	SHEATHING
	'O'	SHV	SHELVING
OA	OVERALL, OUTSIDE AIR	SIM	SIMILAR
OBS	OBSCURE	SKLT	SKYLIGHT
OC	ON CENTER	SL	SIDELIGHT
		SLNT	SEALANT

SP	STANDPIPE, SUMP PIT		
SPC	SPACE(R)		
SPM	SOLID PLASTIC MATERIAL		
SPEC	SPECIFICATION		
SPKLR	SPRINKLER		
SPKR	SPEAKER		
SPRT	SUPPORT		
SPL	SPECIAL		
SQ	SQUARE		
SS	SANITARY SEWER, STORM SEWER		
SSK	SERVICE SINK		
SST	STAINLESS STEEL		
ST	STAIR(S), STREET		
STA	STATION		
STC	SOUND TRANSMISSION CLASS		
STD	STANDARD		
STG	SEATING		
STL	STEEL		
STL LNTL	STEEL LINTEL		
STL PL	STEEL PLATE		
STL RF DK	STEEL ROOF DECK		
STOR	STORAGE		
STR	STRAIGHT, STRINGER(S)		
STRUCT	STRUCTURAL		
SUB FL	SUB FLOOR		
SUSP	SUSPENDED(ED)		
SV	SHEET VINYL		
SW	SIDEWALK, SWITCH		
SYMM	SYMMETRICAL		
SYN	SYNTHETIC		
SYS	SYSTEM		
	'T'		
T	TREAD		
T&B	TOP & BOTTOM		
T&G	TONG & GROOVE		
T/S	TUB / SHOWER		
TB	TOWEL BAR, THROUGH BOLT		
TBD	TO BE DETERMINED		
TD	TRENCH DRAIN		
TDR	TOWEL DISPENSER & RECEPTACLE		
TEL	TELEPHONE		
TEMP	TEMPORARY		
TER	TERRAZZO		
TFF	TOP OF FINISH FLOOR		
THK	THICK(NESS)		
THR	THRESHOLD		
THRU	THROUGH		
TK BD	TACKBOARD		
TKS	TACK STRIP		
TO	TOP OF		
TOB	TOP OF BEAM		
TOC	TOP OF CONCRETE/CURB		
TOC FTG	TOP OF CONCRETE FOOTING		
TOC WALL	TOP OF CONCRETE WALL		
TO FDN	TOP OF FOUNDATION		
TOL	TOLERANCE		
TOM	TOP OF MASONRY		
TOP	TOP OF PARAPET, TOP OF PAVEMENT		
TOPO	TOPOGRAPHY		
TOS	TOP OF SLAB, TOP OF STEEL		
TOT	TOP OF TRUSS		
TOW	TOP OF WALL		
TP	TELEPHONE POLE		
TPD	TOILET PAPER DISPENSER		
TPH	TOILET PAPER HOLDER		
TPTN	TOILET PARTITION		
TR	TOWEL RACK		
TRANS	TRANSOM, TRANSPARENT		
TRTD	TREATED		
TS	TUBE STEEL		
TSTAT	THERMOSTAT		
TTB	TELEPHONE TERMINAL BOARD		
TV	TELEVISION		
TYP	TYPICAL		
	'U'		
UC	UNDERCUT		
UGND	UNDERGROUND		
UL	UNDERWRITERS LABORATORIES		
UNFIN	UNFINISH(ED)		
UNIF	UNIFORM		
UNO	UNLESS NOTED OTHERWISE		
UR	URINAL		
UTIL	UTILITY		
	'V'		
V	VOLT		
VAR	VARIES, VARIATION		
VB	VINYL BASE		
VCT	VINYL COMPOSITION TILE		
VERT	VERTICAL		
VEST	VESTIBULE		
VF	VINYL FABRIC		
VG	VERTICAL GRAIN		
VIF	VERIFY IN FIELD		
VIN	VINYL		
VJ	V-JOINT(ED)		
VNR	VENEER		
VOLT	VOLTAGE		
VP	VENEER PLASTER		
VR	VAPOR RETARDER		
VRM	VERMICULITE		
VRFY	VERIFY		
VT	VINYL TILE		
VWC	VINYL WALLCOVERING		
	'W'		
W	WEST, WIDE, WASTE, WATT		
W/	WITH		
W/O	WITHOUT		
WB	WOOD BASE		
WC	WATER CLOSET, WALL COVERING		
WD	WOOD		
WDW	WINDOW		
WGL	WIRED GLASS		
WH	WATER HEATER, WEEP HOLE, WALL HYDRANT, WALL HUNG		
WHB	WHEEL BUMPER		
WHSE	WAREHOUSE		
WI	WROUGHT IRON		
WIN	WINDOW		
WLD	WELDED		
WM	WIRE MESH		
WO	WHERE OCCURS, WITHOUT		
WP	WATERPROOF(ED/ING)		
WPT	WORKING POINT		
WPM	WATERPROOF MEMBRANE		
WR	WEATHER RESISTANT		
WS	WEATHER STRIP		
WSCT	WAINSCOT		
WT	WEIGHT, WATERTIGHT		
WW	WINDOW WALL		
WWF	WELDED WIRE FABRIC		
WWM	WELDED WIRE MESH		
	'X'		
XFMR	TRANSFORMER		

LEGENDS & SYMBOLS

WALL LEGEND

UNRATED WALL

FIRE RATED WALL RATING BASED ON TYPE

THERMAL OR ACOUSTICAL

CONCRETE WALL C.I.P.C/P.C.C.

CMU WALL

EXISTING CONCRETE OR CMU

REFERENCE SYMBOL LEGEND

WALL REFERENCE — 300 WALL TYPE

COLUMN REFERENCE/GRID BUBBLES — 1, 2, A; NUMBERS FOR VERTICAL GRIDS; LETTERS FOR HORIZONTAL GRIDS

MATCHLINE — MATCHLINE - SEE SHEET A100

SECTION REFERENCE — 1 / A100; SECTION REFERENCE; SHEET REFERENCE

ELEVATION REFERENCE — 1 / A100; ELEVATION REFERENCE; EXTERIOR; INTERIOR; 4 / A100 / 2; 3; SHEET REFERENCE

DETAIL & ENLARGED PLAN REFERENCE — 1 / A100; CALLOUT REFERENCE; SHEET REFERENCE

WINDOW REFERENCE — J1; WINDOW ALPHA DESIGNATION

DOOR REFERENCE — 203B; DOOR NUMBER

ROOM NAME & NUMBER REFERENCE — ROOM NAME; 101 ROOM NUMBER; 150 SF SQUARE FOOTAGE

FINISH/MATERIAL REFERENCE — MM 101 REFERENCE NUMBER; FINISH TYPE; TYPE; HEIGHT; A VARIES; FLOOR/CEILING PLAN

ELEVATION INDICATORS — NAME; ELEVATION; SECTION/ELEVATION/FLOOR PLAN; 1; NORTH

REVISION INDICATOR & NORTH ARROW

PROPERTY LINE

CENTER LINE

CONTOUR LINES — 76 NEW; 72 EXISTING

SIGNAGE SYMBOL — 1 SIGN DESIGNATION PER SPECIFICATIONS; 1 SIGN DESIGNATION PER SPECIFICATIONS

KEYNOTE SYMBOL — XXX

ICON LEGEND

SPECIALTY EQUIPMENT

FLOOR DRAIN

FIRE EXTINGUISHER & HOSE CABINET

FIRE EXTINGUISHER CABINET

FIRE SPRINKLER HEAD

RETURN/EXCHANGE AIR GRILL 2' x 2'

SUPPLY AIR GRILL 2' x 2'

RECESSED FLUORESCENT 2' x 2'

RECESSED FLUORESCENT 2' x 4'

RECESSED FLUORESCENT 1' x 4'

SURFACE MOUNTED FLUORESCENT

RECESSED CAN

EARTHWORK

EARTHWORK - UNMOVED

EARTHWORK - BACKFILLED

GRAVEL/POROUS FILL

INSULATION

BATT/LOOSE FILL

RIGID

CONCRETE & MASONRY

PRECAST/CAST IN PLACE

SAND/MORTAR/PLASTER

CONCRETE BLOCK

BRICK

METAL

STEEL

WOOD

FINISH

ROUGH

BLOCKING

PLYWOOD

REGISTERED ARCHITECT
DALE SWEENEY
STATE OF WASHINGTON
7227

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

REVISIONS

NO.	DATE	Revision Description

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/VSD:

TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

Abbreviations / Symbols and Material Legends

PRINT DATE:
2/15/2021 12:46:12 PM

SHEET NO.
A002

②
GENERAL NOTES
1 : 1

1. ALL CONSTRUCTION SHALL COMPLY WITH THE 2015 INTERNATIONAL BUILDING CODES, 2015 U.P.C., THE 2015 W.S.E.C., THE 2017 N.E.C. WITH WASHINGTON STATE AMENDMENTS TO ALL. ALONG WITH THE 2015 I.B.C. WASHINGTON STATE HAS ADOPTED THE ICC/ANSI A117.1-2009 ACCESSIBILITY CODE.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE BUILDING AND SITE WHILE THE JOB IS IN PROGRESS AND UNTIL THE JOB IS COMPLETED.

3. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF THE OCCUPANTS AND WORKERS AT ALL TIMES.

4. ALL OPERATIONS CONDUCTED ON THE PREMISES SHALL NOT BE OBJECTIONABLE BEYOND THE PROPERTY BOUNDARY LINES BY REASON OF NOISE, STEAM, ODOR, FUMES, GASES, SMOKE, VIBRATION, HAZARD, OR OTHER CAUSES.

5. ALL DEBRIS SHALL BE REMOVED FROM THE PREMISES AND ALL AREAS SHALL BE LEFT IN A "BROOM-CLEAN" CONDITION AT ALL TIMES.

6. THE CONTRACTOR SHALL SECURE SUCH PERMITS AS REQUIRED BY THE LOCAL FIRE DEPARTMENT PRIOR TO BUILDING OCCUPATION.

7. ALL EXTERIOR BUILDING SIGNAGE SHALL BE UNDER SEPARATE PERMIT.

8. THE CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, DETAILS, ETC., AND NOTIFY THE Designer OF ANY AND ALL DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF EXISTING CONDITIONS AS ADEQUATE FOR THE PROPER COMPLETION OF THE WORK DETAILED HEREIN.

9. EXISTING DETAILS, ELEVATIONS, AND LOCATIONS TO BE JOINED SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF CONDITIONS OR DETAILS DIFFER FROM THOSE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE Designer IMMEDIATELY SO THAT APPROPRIATE MODIFICATIONS CAN BE MADE BEFORE PROCEEDING.

10. THERE SHALL BE NO DEVIATIONS WHATSOEVER FROM THE CONTRACT DOCUMENTS WITHOUT THE Designer's WRITTEN APPROVAL THEREOF. THE CONTRACTOR AGREES TO DEFEND, INDEMNIFY, AND HOLD THE Designer HARMLESS FOR ANY CLAIMS ARISING AS A RESULT OF UNAPPROVED CHANGES.

11. THE APPROVED PLANS SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY ANY WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT THE SAME INFORMATION. THE CONTRACTOR SHALL ALSO MAINTAIN IN GOOD CONDITION, ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS, ON THE PREMISES AT ALL TIMES WHICH ARE TO BE UNDER THE CARE OF THE JOB SUPERINTENDENT.

12. SEE STRUCTURAL GENERAL NOTES REGARDING: LUMBER, NAILING, CONCRETE, REINFORCING, AND STRUCTURAL STEEL.

13. ALL ITEMS MARKED "N.I.C." (NOT IN CONTRACT) OR "O.F.O.I." (OWNER FURNISHED, OWNER INSTALLED) ARE TO BE CONSIDERED AS NOT PART OF THIS CONTRACT UNLESS OTHERWISE NOTED.

14. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. THE CONTRACTOR SHALL NOTIFY THE Designer IMMEDIATELY OF ANY AND ALL DISCREPANCIES.

15. ALL DIMENSIONS ARE TO CENTERLINE OF COLUMN, FACE OF STUD, OR FACE OF CMU UNLESS OTHERWISE NOTED.

16.WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, THE DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.

17. ALL WORK SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S LATEST RECOMMENDATION OR WRITTEN DIRECTIONS.

18. FIRE EXTINGUISHERS: VERIFY REQUIREMENTS AND LOCATIONS WITH FIRE MARSHALL.

19. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

EXCEPTION: THIS REQUIREMENT SHALL NOT APPLY TO THE MAIN EXTERIOR EXIT DOORS IF THERE IS A READILY VISIBLE, DURABLE SIGN MOUNTED ON OR ADJACENT TO THE DOOR WHICH STATES "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS". THE SIGN SHALL BE IN LETTERS NOT LESS THAN 1 INCH HIGH ON A CONTRASTING BACKGROUND. THE LOCKING DEVICE MUST BE A TYPE THAT WILL BE READILY DISTINGUISHABLE AS LOCKED.

20. EXIT DOORS, EXIT LIGHTS, AND FIRE EXTINGUISHER LOCATIONS SHALL NOT BE CONCEALED OR OBSTRUCTED BY ANY DECORATIVE MATERIAL, DECOR OR FURNISHINGS.

21. MINIMUM FLAME SPREAD CLASSIFICATION OF INTERIOR FINISHES SHALL BE PER TABLE 42-B OF THE I.F.C.

22. ALLGLASS AND GLAZING SHALL COMPLY WITH CHAPTER 24 OF THE I.B.C. AND THE U.S. PRODUCT SAFETY COMMISSION: SAFETY STANDARD FOR ARCHITECTURAL GLAZING MATERIALS (42 FR 1426; 16 CFR PART 1201)

23. INSTALL THE ASSIGNED BUILDING NUMBER ON THE STRUCTURE THAT IS CLEARLY VISIBLE FROM THE STREET. NUMBERS SHALL CLEARLY CONTRAST WITH THEIR BACKGROUND IN COLOR. IFC 505.1

24. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR INSTRUCTIONS REGARDING GRADING AND TRENCHING PRIOR TO CONTINUATION OF WORK SHOULD ANY UNUSUAL SUBSURFACE CONDITIONS BECOME APPARENT DURING GRADING FOR FOUNDATION CONSTRUCTION.

25. WATER HEATER SIZES AND LOCATIONS SHALL BE PROVIDED BY THE PLUMBING SUB-CONTRACTOR. SAID UNITS SHALL COMPLY FULLY WITH ALL REQUIREMENTS OF ASHRAE 90-75 AND SHALL BE VENTED TO THE EXTERIOR IF GAS.

26. LATHING, PLASTER, AND GYPSUM WALL BOARD SYSTEM SHALL CONFORM TO CHAPTER 23 OF THE I.B.C.

27. ALL FOUNDATION AND FOOTINGS ARE TO REST ON UNDISTURBED EARTH AND AS NOTED IN THE STRUCTURAL GENERAL NOTES. IF CONTRARY CONDITIONS OCCUR, NOTIFY THE ARCHITECT.

28. FINISH FLOOR, TOP OF CONCRETE SLAB, DATUM = +0.00'.

29. ALL WOOD MEMBERS IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED

30. REFLECTED CEILING PLANS ARE FOR THE GENERAL INFORMATION OF THE CONTRACTOR. EXACT LOCATIONS OF LIGHTING FIXTURES AND CEILING MATERIALS SHOULD BE VERIFIED PRIOR TO INSTALLATION.

31. PROVIDE SEISMIC BRACING FOR SUSPENDED ACOUSTICAL CEILING @ 12' OC BOTH WAYS PER I.B.C. STANDARDS 25-2.

32. EXTERIOR JOINTS AROUND WINDOWS AND DOOR FRAMES, OPENINGS BETWEEN WALLS AND FOUNDATION, BETWEEN WALLS, AND ROOF AND OPENINGS AT PENETRATIONS OF UTILITY SERVICES THROUGH WALLS, FLOORS, AND DOORS, AND ALL OTHER SUCH OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED, CAULKED, GASKETED, OR WEATHER-STRIPPED TO LIMIT AIR LEAKAGE AND ELIMINATE WATER PENETRATION.

33. ALL TEARS AND JOINTS IN BATT INSULATIONS TO BE SEALED WITH TAPE.

34. PLUMBING, ELECTRICAL, AND H.V.A.C. SYSTEMS ARE BIDDER-DESIGNED AND COVERED UNDER SEPARATE PERMIT. CONTRACTOR SHALL SUBMIT BIDDER-DESIGN DRAWINGS TO Designer FOR REVIEW PRIOR TO

35. ALL GENERAL NOTES HEREIN APPLY TO ALL DRAWING SHEETS IN THEIR ENTIRETY AS IF FULLY REPRINTED ON EACH SHEET. ALL GENERAL NOTES APPLY TO ALL SECTIONS OF THE WORK HEREIN DEPICTED FOR THIS PROJECT. NO ALLOWANCE WILL BE MADE FOR THE GENERAL CONTRACTOR'S (OR THEIR SUBCONTRACTOR'S) FAILURE TO READ THESE NOTES AND APPLY THEM TO ALL PORTIONS OF THE WORK DETAILED HEREIN.

36. EXACT LOCATIONS, DIMENSIONS AND UTILITY REQUIREMENTS OF ALL EQUIPMENT SHOWN SHALL BE AS INDICATED ON DRAWINGS PROVIDED BY OTHERS. INFORM THE Designer IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS ENCOUNTERED.

37. INSTALLATION OF FIXTURES AND CASEWORK INDICATED HEREIN SHALL NOT, IN ANY WAY, CONFLICT WITH THE REQUIREMENTS OF THE I.B.C. OR OTHER SUCH BUILDING CODES OR STANDARDS THAT MIGHT APPLY.

38. SINKS INDICATED IN THESE DRAWINGS ARE FOR GENERAL INFORMATION AND HEALTH DEPARTMENT INFORMATION. FINAL LOCATION OF ALL PLUMBING FIXTURES SHALL BE PER APPROVED PLUMBING PLANS FROM THE LOCAL BUILDING OFFICIAL.

39. THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE SHALL BE RESPONSIBLE FOR REVIEWING AND COORDINATING SUBMITTAL DOCUMENTS PREPARED BY OTHERS, INCLUDING PHASED AND DEFERRED SUBMITTAL ITEMS, FOR COMPATIBILITY WITH THE DESIGN OF THE BUILDING.

UNDER SEPARATE PERMITS

Submittal documents for any deferred submittal items shall be submitted to the architect or engineer of record for review and written approval of general conformance with the design, intent and code requirements of the building. The following information will be provided as deferred submittals:

1. ELECTRICAL
2. FIRE SPRINKLER
3. FIRE ALARM
4. FIRE DETECTION/NOTIFICATION
5. FIRE SUPPRESSION
6. UNDERGROUND FIRE LINE
7. STANDPIPES
8. MEMBRANE AND THROUGH PENETRATION FIRE STOPS
9. PRE-FABRICATED METAL-PLATE
10. CONNECTED WOOD TRUSSES
11. SHEARWALL HOLDOWN SYSYTEM
12. SUSPENDED CEILING SYSTEMS INCL. SEISMIC
13. EXTERIOR AND INTERIOR SIGNAGE
14. EMERGENCY POWER GENERATOR/BATTERY
15. UNDERGROUND FIRE SERVICE MAIN
16. EMERGENCY RESPONDER RADIO SYSTEM (DAS) IF REQUIRED.
17. FIRE PROTECTION COATING FOR STRUCTURAL STEEL FRAMING

EMERGENCY LIGHTING.

1. INSTALL ILLUMINATED EMERGENCY LIGHTING THROUGHOUT THE BUILDING IN COMPLIANCE WITH IBC 1006

2. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT-CANDLE (11 LUX) AT THE WALKING SURFACE LEVEL.

3. THE POWER SUPPLY FOR MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES' ELECTRICAL SUPPLY. IN THE EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE THE FOLLOWING AREAS:

-- CORRIDORS, EXIT ENCLOSURES AND EXIT PASSAGEWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
-- EXTERIOR EGRESS COMPONENTS AT OTHER THAN THE LEVEL OF EXIT DISCHARGE UNTIL EXIT DISCHARGE IS ACCOMPLISHED FOR BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
-- INTERIOR EXIT DISCHARGE ELEMENTS, AS PERMITTED IN SECTION 1024.1, IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
--EXTERIOR LANDINGS, AS REQUIRED BY SECTION 1008.1.5, FOR EXIT DISCHARGE DOORWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.

4. THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH SECTION 2702.

5. EMERGENCY LIGHTING FACILITIES SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOT-CANDLE (11 LUX) AND A MINIMUM AT ANY POINT OF 0.1 FOOT-CANDLE (1 LUX) MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL. ILLUMINATION LEVELS SHALL BE PERMITTED TO DECLINE TO 0.6 FOOT-CANDLE (6 LUX) AVERAGE AND A MINIMUM AT ANY POINT OF 0.06 FOOT-CANDLE (0.6 LUX) AT THE END OF THE EMERGENCY LIGHTING TIME DURATION. A MAXIMUM-TO-MINIMUM ILLUMINATION UNIFORMITY RATIO OF 40 TO 1 SHALL NOT BE EXCEEDED.

FIRE CODE NOTES

1.AN AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE INSTALLED THROUGHOUT THE BUILDING. THE SYSTEM SHALL INCLUDE THE FOLLOWING MINIMUM FEATURES:

A. THE SYSTEM SHALL BE DESIGNED AND INSTALLED IN COMPLIANCE WITH NFPA 13 WITH DRY PIPES IN 'NON-HEATED' SPACES. PLANS AND HYDRAULIC CALCULATIONS SHALL BE REVIEWED, APPROVED AND STAMPED BY A REGISTERED FIRE PROTECTION ENGINEER VERIFYING COMPLIANCE.
B. INSTALL A REMOTE SHUT-OFF VALVE (PIV) AND FIRE DEPARTMENT CONNECTION (FDC). THE FIRE DEPARTMENT CONNECTION SHALL BE LOCATED WITHIN 90 FEET OF A FIRE HYDRANT.
C. ALL SHUT-OFF VALVES, WATER FLOW AND PRESSURE SWITCHES SHALL BE ELECTRONICALLY SUPERVISED BY A FIRE ALARM PANEL IN ACCORDANCE WITH NFPA 72. SIGNALS FROM THE PANEL SHALL BE TRANSMITTED DIRECTLY TO AN APPROVED MONITORING STATION.
D. INSTALL APPROVED ADA HORN/STROBES IN ACCORDANCE WITH CITY STANDARDS THROUGHOUT THE BUILDING IN COMPLIANCE WITH SHORELINE ADMINISTRATIVE CODE. A FLOOR PLAN SHALL BE SUBMITTED TO THE FIRE DEPARTMENT FOR REVIEW PRIOR TO INSTALLATION.
E. INSTALL A REMOTE ANNUNCIATOR AND ZONE MAP AT A LOCATION APPROVED BY THE FIRE DEPARTMENT.
F. PROVIDE NFPA 72 ADDRESSABLE FIRE ALARM SYSTEM

2. EMERGENCY RESPONDER RADIO SIGNAL STRENGTH MUST BE 95DBS IN 95% OF EACH FLOOR OF THE BUILDING AND 99% IN ELEVATORS.

3. INSTALL A CLASS I STANDPIPE SYSTEM THROUGHOUT THE BUILDING IN COMPLIANCE WITH IFC SECTION 905.4

4. INSTALL AN AUTOMATIC FIRE ALARM SYSTEM IN COMPLIANCE WITH LOCAL CODES. THE SYSTEM SHALL CONSIST OF THE FOLLOWING MINIMUM FEATURES:

A. SMOKE DETECTORS SHALL BE INSTALLED WITHIN REQUIRED ONE (1) HOUR FIRE RESISTIVE EXIT CORRIDORS AND PUBLIC ASSEMBLY ROOMS.

B. MANUAL PULL STATIONS SHALL BE INSTALLED AT EVERY EXIT FROM EVERY LEVEL.

5. INSTALL AN EMERGENCY KEY BOX (SUPRA BRAND, FLUSH MOUNTADED) AT A LOCATION APPROVED BY THE FIRE DEPARTMENT. THE BOX SHALL BE ELECTRONICALLY SUPERVISED BY THE FIRE ALARM CONTROL PANEL AND ACTIVATE A SUPERVISORY CONDITION. ALL NECESSARY BUILDING ACCESS AND FIRE PROTECTION KEYS SHALL BE PLACED INTO THE BOX PRIOR TO OCCUPANCY APPROVAL. IFC 506. FIRE ACCESS ROAD, FIRE SERVICE MAINS, WET CHEM (IF NEEDED), UNDERGROUND TANK PULL.

6. IN ACCORDANCE WITH INTERNATIONAL MECHANICAL CODE, SECTION 606.2, ALL HVAC UNITS OVER 2,000 CFM SHALL BE SHUT DOWN BY THE ACTIVATION OF SMOKE ON THE RETURN SIDE OF THE SYSTEM. UPON ACTIVATION OF THE SMOKE DETECTOR THE FIRE ALARM PANEL SHALL INITIATE A SUPERVISORY CONDITION.

7. IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE, SECTION 3002.4, THE ELEVATOR CAR SHALL BE OF SUCH A SIZE AND ARRANGEMENT TO ACCOMMODATE A 24 INCH BY 84 INCH AMBULANCE STRETCHER IN THE HORIZONTAL OPEN POSITION AND SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL FOR EMERGENCY MEDICAL SERVICES

8. INSTALL THE ASSIGNED BUILDING NUMBER ON THE STRUCTURE THAT IS CLEARLY VISIBLE FROM THE STREET. NUMBERS SHALL CLEARLY CONTRAST WITH THEIR BACKGROUND IN COLOR. IFC 505.1

9. ALL PORTABLE FIRE EXTINGUISHERS TO BE 2A:10B:C:

10. INSTALL ILLUMINATED EMERGENCY LIGHTING THROUGHOUT THE BUILDING IN COMPLIANCE WITH IFC 1006.3'ERMITS ARE REQUIRED FROM FIRE MARSHALL'S OFFICE FOR SPRINKLERS AND FIRE ALARMS.

12. SEE IBC DATA CHART THIS SHEET FOR SPRINKLER SYSTEM TYPE(s) REQUIRED. CHARGED SPRINKLER SYTEM.

13. ALARM SYSTEMS AS PER WASHINGTON CODES AND AUDIBLE AND VISUAL TO BE INSTALLED IN UNITS, NFPA 72.

TYPICAL NOTES

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE 2015 INTERNATIONAL BUILDING CODE, AS AMMENDED BY WASHINGTON STATE, AND ALL OTHER STATE AND LOCAL JURISDICTION RULES AND REGULATIONS. IBC SECTIONS WHICH ARE SPECIFICALLY MENTIONED SHALL INCLUDE ALL SUB-SECTIONS, TABLES, FOOTNOTES, EXCEPTIONS, ETC. A COPY OF THE 2015 IBC SHALL BE MAINTAINED ON THE SITE THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
2. THIS SET OF WORKING DRAWINGS IS CONSIDERED A "BUILDER SET" AND AT THE OWNER'S REQUEST DOES NOT INCLUDE SPECIFICATIONS. IT IS THE OWNER'S RESPONSIBILITY TO PROVIDE AND COORDINATE SPECIFICATIONS, INCLUDING PRODUCT ELECTION AND INSTALLATION OR ASSEMBLY.
3. THESE DRAWINGS AND DESIGN ARE THE EXCLUSIVE PROPERTY OF THE ARCHITECT/DESIGNER AND MAY BE REPRODUCED ONLY WITH THE WRITTEN PERMISSION OF THE ARCHITECT/DESIGNER. AUTHORIZED REPRODUCTIONS MUST BEAR THE NAME OF THE ARCHITECT/DESIGNER.
4. VERIFY ALL DIMENSIONS, DATUMS, AND LEVELS PRIOR TO CONSTRUCTION. DIMENSIONS ARE TO FACE OF STUD, OR TO FACE OF CONCRETE, UNLESS NOTED OTHERWISE.
5. REPETITIVE FEATURES ARE OFTEN DRAWN (OR NOTED) ONLY ONCE AND SHALL BE COMPLETELY PROVIDED AS IF DRAWN (OR NOTED) IN FULL.
6. ALL EXPOSED EXTERIOR METAL SHALL BE GALVANIZED STEEL UNLESS NOTED OTHERWISE.
7. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE HYDROGEOLOGIC AND GEOTECHNICAL REPORT AND RECOMMENDATIONS AS PREPARED BY THE GEOTECHNICAL ENGINEER.

FIREBLOCKING:

INSTALL 2X FIREBLOCKING PER 717.2 AS FOLLOWS:

a. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS, VERT AT THE CLG AND FLR LEVELS AND HORIZ. AT INTERVALS NOT EXCEEDING 10 FEET.
b. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERT AND HORZ SPACES SUCH AS OCCUR AT SOFFITS, DROP CLGS AND COVE CLGS.
c. IN CONCEALED SPACES BTWN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH SECTION R302.7.
d. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM E 136 REQUIREMENTS.
e. THE INTEGRITY OF ALL FIREBLOCKS SHALL BE MAINTAINED.

DRAFTSTOPPING:

DRAFTSTOPPING PER 717.4.2 AS FOLLOWS:

a. NONE REQUIRED WHEN THE SPRINKLER SYSTEM IS INSTALLED IN THE CONCEALED SPACES.

GUARDS:

PRE-MANUFACTURED GUARD SYSTEMS SHALL BE DESIGNED AS BIDDER DESIGN/ DEFERRED SUBMITTAL.

ADDRESS IDENTIFICATION:

PROVIDE BUILDING / UNIT NUMBERS OR ADDRESSES IN CONTRAST WITH THEIR BACKGROUND MATERIAL WITH PLACEMENT TO BE IN SUCH A POSITION AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET OR ROADWAY/ DRIVEWAY FRONTING THE BUILDING/PROPERTY PER 501.2.

SECURITY:

PROVIDE PROVIDE SECURITY FROM CRIMINAL ACTIVITY PER 420.6 AND AS FOLLOWS:

a. ENTRANCE DOOR SHALL BE A 1-3/8" THICK SOLID FLUSH SOLID CORE WOOD DOOR.
b. PROVIDE NON-SHATTERING GLAZING IN PRIMARY ENTRANCE DOOR
c. PRIMARY ENTRANCE DOOR SHALL BE SELF-CLOSING, SELF-LOCKING & EQUIPPED WITH A DEAD LOCKING LATCH BOLT PER 420.1.2

AREA & HEIGHT CALCULATIONS

CONSTRUCTION TYPE:
V-A - SPRINKLED - NFPA13

BUILDING HEIGHT:
4 STORY

OCCUPANCY:
A-2/R-2/S-2
Mixed Use -Non Separated Occupancies

BUILDING AREAS

LEVEL	A2	R2	S2	TOTAL
1ST FLOOR AREA	0	0	6,954	6,954
2ND FLOOR	789	5,927	0	6,716
3RD FLOOR		6,658	0	6,658
4TH FLOOR		6,658	0	6,658
TOTAL	789	19,243	6,954	26,986

ALLOWABLE AREAS - IBC 506

Sprinkled Multi-Story
Non-Separated

No Increase

1st Floor-S2 - Allowable = 34,500
Proposed = 6,954 < 34,500 (Ratio = .20)

2nd Floor-A-2 - Allowable = 34,500
Proposed = 6,716 < 34,500 (Ratio = .20)

3rd Floor-R2 - Allowable = 36,000
Proposed = 6,658 < 36,000 (Ratio = .19)

4th Floor-R2 - Allowable = 36,000
Proposed = 6,658 < 36,000 (Ratio = .19)

Total Proposed Building Area = 26,986

Sum of Ratios = .78 < 3

GENERAL

THE BUILDING IS REQUIRED TO BE TOTALLY ACCESSIBLE TO THE HANDICAPPED. IBC SEC 11/ICC A117.1 THE FOLLOWING ITEMS ARE NOTED: THIS IS NOT AN ALL INCLUSIVE LIST.

A. ALL FLOOR COVERING SURFACES WHICH ARE PART OF AN ACCESSIBLE ROUTE SHALL BE FIRM, STABLE, AND SLIP RESISTANT. ICC/ANSI 302.1

B. TOILET FLUSH CONTROLS SHALL BE MOUNTED FOR USE FROM THE WIDE SIDE OF THE WATER CLOSET AREA. ICC 604.6. FAUCET CONTROL HANDLES AND FLUSH CONTROLS SHALL HAVE LEVER OR OTHER SHAPE PERMITTING OPERATION BY WRIST OR ARM PRESSURE AND NOT REQUIRING TIGHT GRASPING, PINCHING, OR TWISTING TO OPERATE. ICC 309.4. LAVATORIES SHALL BE MOUNTED TO COMPLY WITH THE FOLLOWING: MINIMUM CLEARANCE OF 29" FROM THE FLOOR TO THE BOTTOM OF THE APRON, AND 27" TO THE BOTTOM OF THE SINK; THE COUNTER OR RIM NO HIGHER THAN 34" FROM THE FLOOR; SINK SHALL BE MAX OF 6 ½" DEEP; HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED; SHARP OR ABRASIVE SURFACES UNDER LAVATORIES ARE NOT PERMITTED. A CLEAR FLOOR SPACE AT LEAST 30"X48" SHALL BE PROVIDED IN FRONT OF LAVATORIES.

D. THE ACCESSIBLE UNIT TUBS SHALL BE PROVIDED 2 GRAB BARS. ONE GRAB BAR SHALL BE 9" ABOVE B ANTHE RIM OF THE TUB THE OTHER 33"-36" ABOVE THE FLOOR OF THE ROOM.

G. SWITCHES, ENVIRONMENTAL CONTROLS, ETC, SHALL BE LOCATED NOT OVER 48" (FORWARD REACH), 54" (SIDE REACH), AND NOT LESS THAN 36" ABOVE THE FLOOR. NOTE: OBSTRUCTIONS ADJACENT TO THE SWITCHES WILL CHANGE THESE HEIGHT REQUIREMENTS. SEE THE APPROPRIATE CODE SECTION. ELECTRICAL AND COMMUNICATION RECEPTACLES SHALL NOT BE LESS THAN 15" OFF THE FLOOR, MEASURED TO THE BOTTOM OF THE RECEPTACLE. ICC 308.

I. EMERGENCY WARNING SYSTEMS, WARNINGS, AND SIGNAGE SHALL COMPLY WITH IBC 907.9. BOTH AUDIBLE AND VISUAL ALARMS SHALL BE PROVIDED.

J. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR AND BE CENTERED 60" ABOVE THE FINISHED FLOOR. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT AN 18" X 18" CLEAR FLOOR AREA, CENTERED ON THE SIGNAGE, IS PROVIDED BEYOND THE ARC OF THE DOOR. ICC 703.3.1. THE FINISH, COLOR, CHARACTER PROPORTIONS, HEIGHT, RAISED OR BRAILLE CHARACTERS, AND PICTORIAL SYMBOLS SHALL BE AS REQUIRED IN ICC 703.

SIGNAGE

REQUIRED ACCESSIBLE ELEMENTS SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AT THE FOLLOWING LOCATIONS:
-ACCESSIBLE PARKING SPACES REQUIRED BY SECTION 1106.1
-ACCESSIBLE PASSENGER LOADING ZONES.
-ACCESSIBLE AREAS OF REFUGE, SEE SHEET *A5.1*
-ACCESSIBLE ROOMS WHERE MULTIPLE SINGLE-USER TOILET OR BATHING ROOMS ARE CLUSTERED AT A SINGLE LOCATION.
-ACCESSIBLE ENTRANCES WHERE NOT ALL ENTRANCES ARE ACCESSIBLE.
-UNISEX TOILET AND BATHING ROOMS.

DIRECTIONAL SIGNAGE

DIRECTIONAL SIGNAGE INDICATING THE ROUTE TO THE NEAREST LIKE ACCESSIBLE ELEMENT SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS. THESE DIRECTIONAL SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY:
-INACCESSIBLE BUILDING ENTRANCES.
-INACCESSIBLE PUBLIC TOILETS AND BATHING FACILITIES.
-ELEVATORS NOT SERVING AN ACCESSIBLE ROUTE.
-AT EACH SEPARATE-SEX TOILET AND BATHING ROOM INDICATING THE LOCATION OF THE NEAREST UNISEX TOILET OR BATHING ROOM WHERE PROVIDED IN ACCORDANCE WITH SECTION 1109.2.1.
-AT EXITS AND ELEVATORS SERVING A REQUIRED ACCESSIBLE SPACE, BUT NOT PROVIDING AN APPROVED ACCESSIBLE MEANS OF EGRESS, SIGNAGE SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 1007.7.

OTHER SIGNS

SIGNAGE INDICATING SPECIAL ACCESSIBILITY PROVISIONS SHALL BE PROVIDED AS SHOWN:
-EACH ASSEMBLY AREA PROVIDINING AN ASSISTIVE LISTENING SYSTEM.
-AT EACH DOOR TO AN EGRESS STAIRWAY, EXIT PASSAGEWAY AND EXIT DISCHARGE, SIGNAGE SHALL BE A TACTILE SIGN STATING EXIT PER ICC A117.1, SEE SHEET A8.3.

DRAWING NOTES

1. THESE DRAWINGS ARE PART OF THE CONSTRUCTION DOCUMENTATION SET WHICH ALSO INCLUDE THE PROJECT MANUAL/SPECIFICATION, ARCHITECTURAL FINISHES MANUAL AND ANY OTHER REFERENCES WITHIN THESE DOCUMENTS.

2. ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, PROJECT MANUAL/SPECIFICATION AND THE ARCHITECTURAL FINISHES MANUAL.

3. THE ARCHITECTURAL FINISHES MANUAL CONTAINS HOLIDAY INN EXPRESS AND STAYBRIDGE BRAND STANDARDS PRODUCT SPECIFICATIONS WITH "**EXG**" OR "**EXP**" KEY MARKS INDENTIFIED ON THE DRAWINGS. ALL OTHER PRODUCTS ARE SPECIFICED AS FOLLOWS:

a. EXTERIOR PRODUCTS ARE INDICATED ON DRAWING A011.
b. BUILDING AND BATHROOM ACCECSSORIES ARE INDICATED ON DRAWING A400.
c. DOOR PRODUCTS ARE INDICATED ON DRAWING A712.
d. CEILING MISC PRODUCTS ARE NOTED ON THE REFLECTED CEILING LEGEND NOTES.
e. ALL OTHER PRODUCT KEY MARK IDENTIFIED ON THE DRAWINGS ARE EITHER SCHEDULED IN THE DRAWING SET OR SPECIFIED IN THE PROJECT MANUAL/SPECIFICATION.
f. SEE ALSO MECH AND ELEC DRAWINGS.

4. ALL ITEMS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS DIRECTED OTHERWISE BY THE OWNER /INTERCONTINENTAL HOTELS GROUP.
a. IT IS THE CONTRACTOR RESPONSIBILITY TO VERIFY THE SCOPE OF OWNER /INTERCONTINENTAL HOTELS GROUP FURNISHED OR FURNISHED AND INSTALLED ITEMS.
b. IF THE OWNER IS FURNISHING ONLY, THE CONTRACTOR SHALL INSTALL THOSE ITEMS.
c. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING OWNER /INTERCONTINENTAL HOTELS GROUP ALL DELIVERY AND INSTALLATION ACTIVITIES.

COMMON RECREATIONAL AREAS

REQUIRED AREA:
1 BEDROOM UNITS - 19 X 100 = 1,900
2 BEDROOM UNITS - 3 X 130 = 390
TOTAL AREA REQUIRED 2,290

AREAS PROVIDED:
DECKS
UNIT A - 83 X 3 = 249
UNIT B - 67 X 3 = 201
UNIT D - 95 X 3 = 285
UNIT F/FA - 58 X 3 = 174
UNIT H - 54 X 2 = 108
TOTAL DECK AREAS 1,017

COMMUNITY ROOM = 789
FITNESS ROOM = 391
MENS RR = 52
WOMENS RR = 56
SUBTOTAL 1,288

TOTAL COMMON REC. AREA = 2,305

PLUMBING CALCS.

COMMUNITY ROOM OCCUPANT LOAD = 53
FITNESS CENTER OCCUPANT LOAD = 8
TOTAL COMMON AREAS OCC. LOAD = 61

REQUIRED FIXTURES PER IBC CHAPTER 29

WATER CLOSETS

	REQUIRED	PROVIDED
MEN	1	1
WOMEN	1	1

LAVS

	REQUIRED	PROVIDED
MEN	1	1
WOMEN	1	1

DRINKING FOUNTAINS REQUIRED - 1

REGISTERED ARCHITECT
7227
DALE SWEENEY
STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO: SHRLN-001
DATE: 6/26/2017
DWN. BY: TGC
CHKD BY: DS
RVSD:

REVISIONS

NO.	DATE	Revision Description
1	9/18/19	City Comments
3	1/15/21	City Comments

TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

GENERAL NOTES

PRINT DATE:
2/15/2021 12:46:12 PM

SHEET NO.
A003

Project Summary, pg 1 — PROJ-SUM

2015 WSEC Compliance Forms for Commercial Buildings including R2, R3, & R4 over 3 stories and all R1 — Revised Oct 2017

General Info

*PROJ-SUM form shall be provided as a cover sheet for all compliance form submittals. **Project Title** shall match project plans title block.*

Project Title:	**2152 N 185th Street**	Date	3/1/2019
Project Street Address:	2152 N 185th Street	For Building Department Use	
Project City, County, Zip:	Shoreline, WA 98133		
Project Owner or Rep:			
Jurisdiction:	City of Shoreline		

Project Description

Select all that apply to the scope of project.

Select Addition + Existing or Alteration + Existing if the existing building will be combined with the addition or alteration to demonstrate compliance per Section C502.1 or C503.1.

New Construction and Additions
- ☑ New Building
- ☐ Building Addition

Existing Building Retrofit
- ☐ Alteration
- ☐ Change of Occupancy
- ☐ Change in Space Conditioning
- ☐ Historic Building

Building Elements Scope - Select all that apply
- ☐ All
- ☑ Building Envelope
- ☐ Mechanical Systems
- ☐ Service Hot Water Systems
- ☐ Lighting Systems
- ☐ Electrical Systems

Occupancy Type

- ○ All Commercial
- ◉ Group R - R2, R3, & R4 over 3 stories and all R1
- ○ Mixed Use

Mixed Use *- Building is greater than three stories above grade and it has both Commercial and Group R occupancies.*

Mixed Occupancy *- Building is three stories or less above grade and it has both Commercial and Group R2, R3 or R4 occupancies. Select All Commercial to document compliance for the commercial areas of the building. The residential spaces shall comply with the WSEC Residential Provisions.*

Space Conditioning Categories

Select all that apply to the scope of project
- ☑ Fully Conditioned
- ☐ Semi-heated[2]
- ☐ Refrigerated Spaces (Warehouse and/or Walk-in[1])
- ☐ Low Energy Space Category[3]

Eligible Low Energy Spaces
- ☐ Unconditioned
- ☐ Low energy heating/cooling capacity
- ☐ Wireless service equipment shelter
- ☐ Greenhouse[4]
- ☐ Equipment building

Floor Area and Stories

Floors Above Grade	Building Gross Conditioned Floor Area	Project Gross Conditioned Floor Area

General Compliance Path

- ◉ Compliance Method 1 - General
- ○ Compliance Method 2 - Total Building Performance

Compliance Method 1 *- Projects shall demonstrate compliance with all applicable mandatory and prescriptive requirements of this code. Refer to C401.2, Item 1 for more information. Compliance forms to include with a Prescriptive submittal: All applicable ENV, LTG, and MECH.*

Compliance Method 2 *- Projects complying via total building performance (TBP) shall include a summary of results from a whole building energy model per Section C407 and shall demonstrate compliance with all applicable mandatory provisions in this Code. Refer to Section C401.2, Item 2 for more information. Compliance forms to include with a TBP submittal: PROJ-SUM, ENV-CHK, LTG-EXT, LTG-CHK, and all MECH forms except MECH-ECONO and MECH-VENT (pending).*

Note 1 - Refrigerated Spaces - They shall comply with the envelope and refrigeration equipment requirements in Section C410. Warehouse coolers and freezers shall also comply with the envelope requirements in C402. C410 takes precedent for overlapping requirements.
Note 2 - Semi-heated Spaces - If heated with equipment other than electric resistance may take an exemption for wall insulation. All other envelope assemblies shall comply with the thermal envelope provisions.
Note 3 - Exemptions For Low Energy Spaces - Low Energy spaces are exempt from all provisions in WSEC Section C402 Building Envelope, however all other applicable provisions in the Code do apply including lighting, mechanical, service water heating, etc.
Note 4 - Eligible Space Conditioning For Low Energy Greenhouses - Greenhouses are defined as spaces that maintain a specialized sunlit environment that is used exclusively for cultivation, protection and maintenance of plants. Cooling with outside air and/or evaporative cooling, and any form of heating equipment, are allowed under the Low Energy Greenhouse category. Greenhouses with cooling equipment that requires a condensing unit are NOT eligible.

Project Summary, pg 2 — PROJ-SUM

2015 WSEC Compliance Forms for Commercial Buildings including R2, R3, & R4 over 3 stories and all R1 — Revised Oct 2017

General Info — **Project Title:** 2152 N 185th Street — Date 3/1/2019

C406 Additional Efficiency Package Options Summary

A minimum of two Options are required for new construction, and change in space conditioning or occupancy projects.

Select all Options included in the current project scope. Also select Options complied with under previous projects (shell and core, other tenant spaces in building, etc)

Buildings with multiple tenant spaces may comply with different options (mix & match).

Options are required for all space conditioning categories.

Include discipline specific information for C406 options in ENV-SUM, LTG-SUM and

Refer to SBCC website for official interpretations regarding C406 provisions.

Building level efficiency options:	Current Scope	Previous Projects
C406.8 Enhanced envelope performance	☐	☐
C406.9 Reduced air infiltration	☐	☐
C406.5 On-site renewable energy	☐	☐
Building area level efficiency options		
C406.2 More efficient HVAC equipment	☑	☐
C406.6 Dedicated outside air systems (DOAS)	☐	☐
C406.7 Reduced energy use in service water heating	☐	☐
C406.3 Reduced lighting power	☑	☐
C406.4 Enhanced digital lighting controls	☐	☐

C406 Comments:

Envelope Summary — ENV-SUM

2015 WSEC Compliance Forms for Commercial Buildings including R2, R3, & R4 over 3 stories and all R1 — Revised Oct 2017

Project Info

Applicant Info. *Provide contact information for individual who can respond to inquiries about information provided.*

Project Title:	**2152 N 185th Street**	Date	03/01/2019
Company Name:		For Building Department Use	
Company Address:			
Applicant Name:			
Applicant Phone:			
Applicant Email:			

Project Description — ☑ New Building ☐ Addition ☐ Alteration ☐ No Envelope Scope

Envelope Project Scope (*Select all that apply.*) — ☐ All Commercial ☑ Group R - Commercial ☐ Mixed Use - Commercial + Group R ☐ Semi-heated ☐ Refrigerated Cooler ☐ Refrigerated Freezer ☐ Equipment Building

Envelope Description
Provide brief description of the project and relevant supporting documentation.
If project includes multiple Target Insulation Allowance areas, and/or is demonstrating compliance as an Addition + Existing, Alteration + Existing, or Addition + Alteration + Existing project, provide a brief summary of the approach to

Air Barrier Testing
Air barrier testing is required for all new construction projects. Testing criteria is 0.40 cfm/ft² under test pressure of 0.3 inch w.g.
To comply with C406.9, demonstrate that measured air leakage of building envelope
- ☑ Air barrier testing per Section C402.5.1.2 included in project scope
- ☐ Additional Efficiency Package Option - C406.9 Reduced Air Infiltration
- ☐ Testing not required. Explanation:

Compliance Documentation Scope and Method

Scope of This Calculation — ☑ New Building ☐ Addition ☐ Alteration ☐ No Envelope Scope

Target Insulation Allowance
Sets the title and calculations in the compliance forms. Selection required to enable forms.
- ◉ Fully Conditioned - Commercial, Group R, Mixed Use
- ○ Semi-heated ○ Refrigerated Cooler ○ Refrigerated Freezer

If project includes more than one Target Insulation Allowance area, and/or if project includes addition and alteration areas complying independently, for each area complete an ENV-SUM form Rows 16-46 and either an ENV-PRESCRIPTIVE form, or ENV-UA + ENV-SHGC forms if demonstrating compliance via component performance.

Envelope Compliance Path (*Selection required to enable forms.*) — ◉ Prescriptive ○ Component Performance

Component Performance Calculation Adjustments
- ☐ Change of Occupancy (C503.2) / Conditioning (C505) - *10% higher UA allowed*
- ☐ Additional Efficiency Package Option - C406.8 Enhanced Envelope - *15% lower UA required*

Additions — ○ Addition stand alone ○ Addition + Existing

Addition stand alone *- Complete Vertical Fenestration and Skylight Area Calculation. Enter total existing-to-remain wall, roof, vertical fenestration and skylight areas as EXISTING. Enter total addition envelope assembly areas as NEW. If resulting total building WWR exceeds 30% and/or SSR exceeds 5%, refer to C502.2.1 and C502.2.2 for prescriptive compliance alternatives. If complying via component performance, complete ENV-UA per instructions for addition stand alone projects.*
Addition + existing *- Complete ENV-UA per instructions for addtion + existing projects.*

Alterations - Fenestration and Skylight
- ☐ Replacement windows only, or resulting total building WWR ≤ original WWR
- ☐ Total building WWR increased by alteration
- ☐ Replacement skylights only, or resulting total building SRR ≤ original SRR
- ☐ Total building SRR increased by alteration

WWR and SRR not increased *- Vertical Fenestration and Skylight Area Calculation not required.*
WWR and/or SRR increased *- Complete Vertical Fenestration and Skylight Area Calculation. Enter total existing-to-remain wall, roof, vertical fenestration and skylight areas as EXISTING. Enter total altered envelope assembly areas as NEW. If resulting total building WWR exceeds 30% and/or SSR exceeds 5%, refer to C503.3.2 and C503.3.3 for prescriptive compliance alternatives. If complying via component performance, complete ENV-UA per instructions for alteration + existing projects.*

Envelope Summary, pg. 2 — ENV-SUM

2015 WSEC Compliance Forms for Commercial Buildings including R2, R3, & R4 over 3 stories and all R1 — Revised Oct 2017

Project Title: 2152 N 185th Street — Date 03/01/2019

Vertical Fenestration and Skylight Area Calculation

Prescriptive Path *- Enter envelope sf values directly into this section of ENV-SUM for vertical fenestration, skylights, net walls and roof. For Additions and Alterations, refer to these sections in ENV-SUM for further instructions.*
Component Performance *- When this Envelope Compliance Path is selected, write-protection of this section is enabled. Enter envelope sf values for all assemblies into the ENV-UA form. Envelope information from ENV-UA will auto-fill into this section of ENV-*

	Total Vertical Fenestration Area (rough opening)	NET Exterior Above Grade Wall Area	Total Skylight Area (rough opening)	NET Exterior Roof Area
New	2,793	13,561	0	6,857
Existing	0	0	0	0
Total	2,793	13,561	0	6,857
	Vertical Fenestration-to-Wall Ratio (WWR)	17.1%	Skylight-to-Roof Ratio (SRR)	

Vertical Fenestration Area Compliance — VERTICAL FENESTRATION AREA COMPLIES WITH MAXIMUM ALLOWANCE

Skylight Area Compliance — NO SKYLIGHT PROPOSED. COMPILIES WITH MAXIMUM ALLOWANCE.

Vertical Fenestration Alternates

Show locations of qualifying daylight zone (DLZ) areas and ft² on project plans.
For Daylight Zone Area Calculations - a) Sidelight areas include primary + secondary daylight zone areas. b) Include overlapping toplight and sidelight daylight zone areas under Toplight. c) Net floor area definition in Chapter 2.

- ○ High performance fenestration U-factors and SHGC per C402.4.1.3
- ○ Dedicated outdoor air system per C402.4.1.4 and C403.6
- ○ In buildings ≥ 3 stories, 25% or more of NET floor area is in DLZ per C402.4.1.1
- ○ In buildings < 3 stories, 50% or more of CONDITIONED floor area is within DLZ per C402.4.1.1

Daylight Zone Calculations

Daylight Zone Fenestration Alternate Not Selected. No Calculations Required	Sidelight Daylight Zone Area	Toplight Daylight Zone Area	Percent Daylight Zone Area

Spaces in Single Story Building Requiring Skylights

In these spaces a minimum of 50% of the floor area shall be within a skylight daylight zone (DLZ). Refer to C402.4.2 for requirements.
SRR = Skylight to roof ratio

List all enclosed spaces that exceed 2,500 ft², have ceiling height greater than 15 ft, and are space types required to comply with this provision. Indicate aperture with "AP" prefix (AP 1.1%)

Space	Space Area (ft²)	DLZ Area (ft²)	SRR or Aperture	Exception

Envelope Exemptions

Low Energy and Semi-heated Spaces — *Low energy spaces per C402.1.1 Item 1 are exempt from the thermal envelope provisions. Semi-heated spaces heated by systems other than electric resistance are exempt from wall insulation provision only per C402.1.1.1. Complete Low Energy and Semi-Heated Spaces table in MECH-SUM to verify eligibility based on installed peak heating and cooling capacity per sf.*

Equipment Buildings
Equipment buildings are exempt from the thermal envelope provisions per C402.1.2.
The following shall be met to be eligible: building size ≤ 500 sf, average wall/roof U-factor ≤ U-0.20, electronic equipment load ≥ 7 watts/sf, heating system output capacity ≤ 17,000 btu/h. Cooling system capacity not

	Wall Insulation R-Value	Roof Insulation R-Value	Overall Average U-Factor
Equipment Building Envelope			
Electronic equipment power (watts/sf)			
Heating system output capacity (Btu/hr)			
Cooling capacity (Yes/No)			

Prescriptive Path, pg. 1 — ENV-PRESCRIPTIVE

2015 WSEC Compliance Forms for Commercial Buildings including R2, R3, & R4 over 3 stories and all R1 — Revised Oct 2017

Project Title: 2152 N 185th Street — Date 03/01/2019 — For Building Department Use

Target Insulation Allowance — Fully Conditioned Space - Commercial, Group R, Mixed Use

Fenestration Area as % gross above-grade wall area	17.1%	Max. Target:	30.0%
Skylight Area as % gross roof area	0.0%	Max. Target:	5.0%
Vertical Fenestration Alternates:	None Selected on ENV-SUM	User Note	

Prescriptive compliance of envelope assemblies may be accomplished by providing insulation R-values per Table C402.1.3 or U-factors / F-factors per Tables C402.1.4 and C402.4. A single project may comply via R-values for some envelope assemblies and U-factors / F-factors for others. Note compliance method taken for each assembly in spaces provided.

Building Component		Provide plan/detail # of assembly and description	Cavity Ins. R-Value (R-Value Method)	Continuous Ins. (CI) R-Value[1]	% Area of Metal Penetrations in CI[2]	Assembly U-Factor (U-Factor/F-Factor Method)	U-Factor Source[3]
Roofs	Deck	(1/A901) R38 insulation above deck (2/A901) R38 insulation above deck				0.027 0.027	WSEC Table C402.1.4 WSEC Table C402.1.4
Roofs	Mtl Bld[4]						
Roofs	Joist/Rftr						
Roofs	Attic/Oth						
Opaque Walls - Above Grade[15]	Steel						
Opaque Walls - Above Grade[15]	Mtl Bld.						
Opaque Walls - Above Grade[15]	Wood/Oth[5]	(10/A911) R21 INT framing				0.054	WSEC Table A103.3.1(5)
Opaque Walls - Above Grade[15]	Mass[6]	(A2/A900) Concrete Wall, R13 Metal Framing @ 24" OC (B/A900) Concrete Wall, R12.5 w/ 1" metal clip at 24" OC Hor. And 16" OC Vert				0.100 0.092	See Calculation WSEC Table A103.3.7.1(4)
Opaque Walls - Above Grade[15]	Transfer[7]						
Group R Walls[15]	Steel						
Group R Walls[15]	Mass						
Below Grade Walls	Comm	(A2/A900) Concrete Wall, R13 Metal Framing @ 24" OC (B/A900) Concrete Wall, R12.5 w/ 1" metal clip at 24" OC Hor. And 16" OC Vert				0.100 0.092	See Calculation WSEC Table A103.3.7.1(4)
Below Grade Walls	Group R						
Floors	Mass	(2/A900) R30 Concrete Slab				0.031	WSEC Table C402.1.4
Floors	Framed[8]	(1/A900) R30 Wood Joist				0.029	WSEC Table C402.1.4

Prescriptive Path, pg. 2 — ENV-PRESCRIPTIVE

2015 WSEC Compliance Forms for Commercial Buildings including R2, R3, & R4 over 3 stories and all R1 — Revised Oct 2017

Project Title: 2152 N 185th Street — Date 03/01/2019 — For Building Department Use

Fenestration Area as % gross above-grade wall area	17.1%	Max. Target:	30.0%
Skylight Area as % gross roof area	0.0%	Max. Target:	5.0%

If vertical fenestration or skylight area exceeds maximum allowed per C402.4.1, then the project must comply via Component Performance and provide ENV-UA and ENV-SHGC forms.

Building Component

		Provide plan/detail # of assembly and description	Perim. Ins. R-Value	Full Slab CI R-Value		F-Factor	F-Factor Source[10]
Slab-on-grade[9]	Unheated	(1/A911) R10 Vertical Slab-On-Grade				0.540	WSEC Table A106.1
Slab-on-grade[9]	Heated						

		Provide ID from door schedule and description	Ins. R-Value			Assembly U-Factor	U-Factor Source[11]
Opaque Doors	Swinging	(55/A104) HM Door				0.370	WSEC Table A107.1(1)
Opaque Doors	Other						

		Provide ID from window schedule and description	Projection Factor (PF) if applicable[12] (SHGC)	Orientation (N or SEW)[13]	Assembly SHGC[14]	Assembly U-Factor	U-Factor Source[14]
Vertical Fenestration	Non-Metal	(2/A104) Sliding Door (A, B, C, D, E, F/A104) (11/A104) Swing Door			0.40 0.40 0.40	0.30 0.30 0.30	A104 A104 A104
Vertical Fenestration	Metal, fixed						
Vertical Fenestration	Metal,						
Vertical Fenestration	Mtl entry						
Skylights	All Types						

derneath a slab-on-grade or exposed floor, this floor shall be thermally broken from the surrounding floor area with the same amount of insulation as requ

Miscellaneous - Refrigerated Spaces

	Provide plan/detail # of assembly and description	Ins. R-Value			Assembly U-Factor	U-Factor Source
Freezer Floor[17]						

		Provide ID from window schedule and description	Cooler / Freezer	Double Pane Glass	Triple Pane Glass	Inert Gas Filled	Heat Reflective Treated Glass
Glazing[16,17]	In Door						
Glazing[16,17]	Reach In						

Note 1 - Insulation that is continuous except for fasteners may be entered here if the cross-sectional area of metal penetration through otherwise continuous insulation is less than 0.12%.
Note 2 - Alternate prescriptive continuous insulation R-values per Table C402.1.4, Footnote F may be used if the cross sectional area of metal penetrations exceeds 0.04% but is less than 0.12%. Calculations are required to use these alternate R-values.
Note 3 - Opaque assembly U-factors shall come from Appendix A or calculated per approved method as specified in C402.1.5.1. Specify the table number or calculation page number.
Note 4 - Thermal spacer blocking and liner system are required for prescriptive R-Value compliance in metal building roof assemblies. Note thermal spacer thickness and R-value in roof assembly description.
Note 5 - Intermediate framing is required for prescriptive R-Value compliance in wood-framed wall assemblies.
Note 6 - Proposed CMU mass walls in non-Group R that meet Table C402.1.4 Footnote C requirements can enter the target prescriptive U-value of 0.104.
Note 7 - Mass transfer slab edges must be covered with an assembly having an overall U-factor of 0.2.
Note 8 - Refer to Table C402.1.3, Footnote E for prescriptive R-Value requirement for steel floor joist assemblies.
Note 9 - Prescriptive slab-on-grade insulation shall extend from top of slab to minimum length per an approved method as defined in C402.2.6.
Note 10 - Slab-on-grade F-Factors shall come from Appendix A or calculated per approved method as specified in C402.1.5.1.
Note 11 - Opaque door U-factors shall come from Appendix A or calculated per approved method as specified in C402.1.5.1. A door is defined as opaque if less than 50% of the door area has glazing.
Note 12 - Refer to Equation C4-6 Projection Factor Calculation.
Note 13 - N = Oriented within 45 degrees of true north, SEW = All other orientations.
Note 14 - Fenestration assembly U-Factor and SHGC shall be the manufacturer's NFRC product rating, which includes the glazing and frame, or shall be the default value per Section C303.1.3.
Note 15 - List all above-grade Group R mass walls and steel frame walls in Group R Walls section. List commercial above grade walls and all other Group R above grade walls in Opaque Walls - Above Grade.
Note 16 - Refrigerated Coolers - All cooler roof, wall and door assemblies shall comply with the prescriptive R-values or U-factors per C410. Enter proposed information under the most similar assembly type. Slab edge insulation for slab-on-grade floors shall comply with C402. Floors that separate a cooler from a non-cooler space (unconditioned and conditioned) shall be insulated per C402. Vertical fenestration (not within cooler doors) shall comply with the prescriptive R-values or U-factors per C402. Enter only the opaque portion of refrigerated space doors. Windows within doors and reach-in display case doors shall comply with C410 prescriptive requirements.
Note 17 - Refrigerated Freezers - All freezer roof, wall and door assemblies shall comply with the prescriptive R-values or U-factors per C410. Enter proposed information under the most similar assembly type. Freezer floor insulation shall comply with C410. Insulation is required under the entire freezer floor. If the freezer floor assembly rests on top of a standard floor, the vertical edge of the freezer floor shall be entered as and comply with the requirements for a freezer wall. If freezer floor insulation is installed as integral to or applied underneath a slab-on-grade or exposed floor, this floor shall be thermally broken from the surrounding floor area with the same amount of insulation as required for a freezer floor. Enter proposed thermal break information in the Freezer Floor section and note it as In-Floor Thermal Break. Enter only the opaque

U-Factor Calculations

Wall (Above Grade)

(A2/A900) 8" Concrete Wall, R13 Metal Framing @ 24" OC		
Element	Source	R-Value
Airfilm, Exterior Surface	WSEC Table A101.5	0.17
0.78 in Sheating	WSEC Table A101.5	2.1
R34.3 Rigid Insulation w/ 0.08-0.12% metal penetrations	WSEC Table C402.1.3	24.6
0.78 in Sheating	WSEC Table A101.5	2.1
Airfilm, Internal Horizontal Surface Heat up	WSEC Table A101.5	0.61
	Total R-Value	29.5
	Assembly U-Factor	0.034

Wall (Below Grade)

(A2/A900) 8" Concrete Wall, R13 Metal Framing @ 24" OC		
Element	Source	R-Value
8" Concrete Wall	WSEC Table A101.5	0.5
Air Cavity (unventilated), other	WSEC Table A101.5	0.91
R-13 Metal Framing @ 24" OC	WSEC Table A103.3.6.2	7.2
5/8" Gypsum Board	WSEC Table A101.5	0.56
Airfilm, Internal Verical Surface	WSEC Table A101.5	0.68
	Total R-Value	9.85
	Assembly U-Factor	0.102

ENERGY CODE DATA

GENERAL INFORMATION

Referenced Standard	WSEC 2015	Climate Zone	4C

BUILDING ENVELOPE DATA

WSEC TABLE C402.1.3 , C402.1.4, C402.4 PRESCRIPTION PATH	R-Value Required	R-Value Designed	U-Value Required	U-Value Designed	SHGC Required	SHGC Designed	Comments
ROOFS - INSULATION ABOVE DECK	R-38	R-38					-
WALLS ABOVE GRADE - WOOD FRAMED	R- 19 + R8.5 CI	R- 19 + R10 CI					-
WALLS BELOW GRADE							-
FLOORS - MASS	R-10 CI	R-10 CI					-
FLOORS - WOOD JOIST FRAMED	R-21	R-21					-
							-
OPAQUE DOORS - SWING			0.37	0.37			UNHEATED PARKING
OPAQUE DOORS - NON-SWING			NA	N/A	-	-	
FENESTRATION			0.30	.28	-	.36	WEATHERSHIELD SIGNATURE SERIES

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN BY: Author
CHKD BY: Checker
RVSD:

REVISIONS

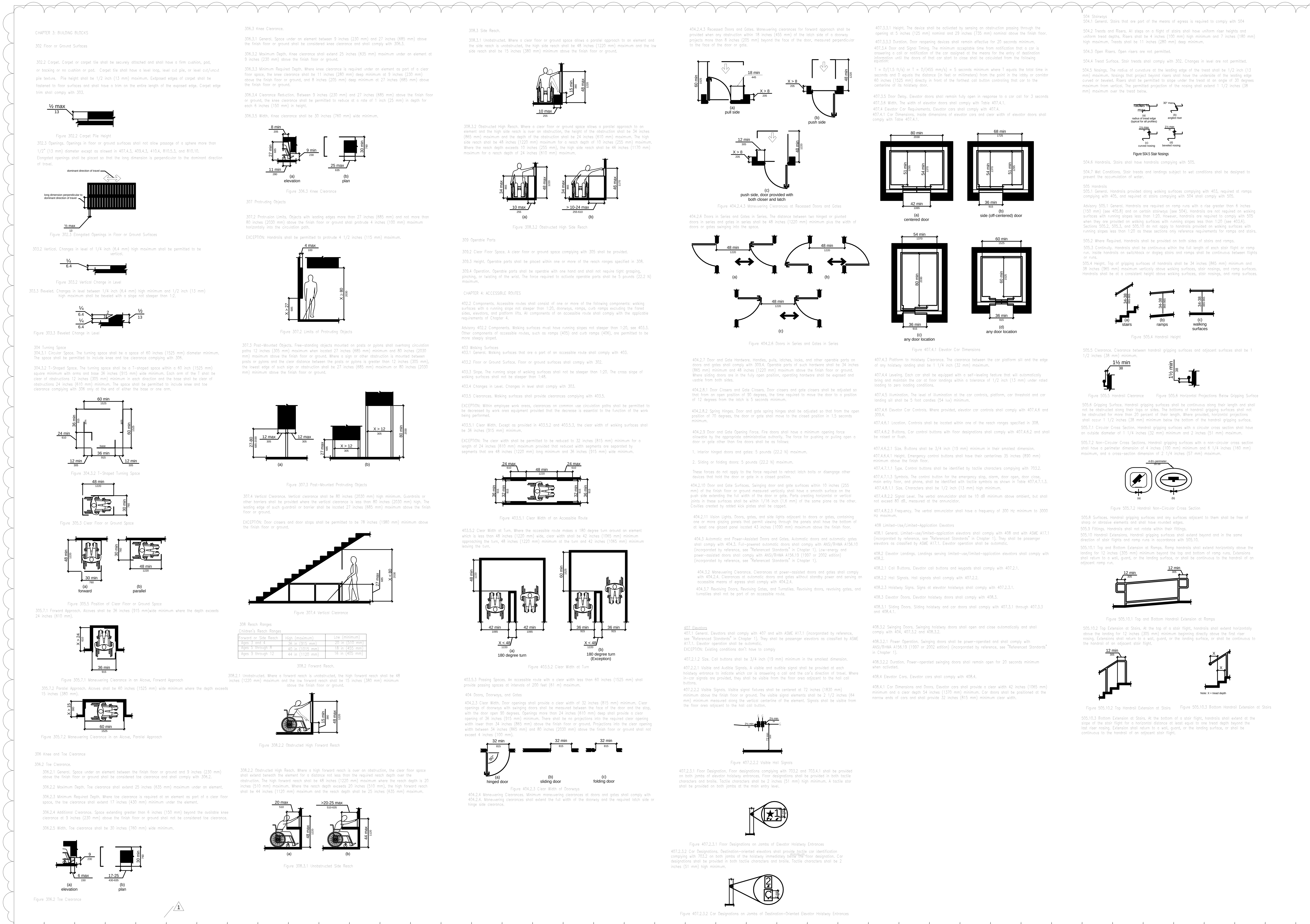
NO.	DATE	Revision Description
1	9/18/19	City Comments

TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

Energy Code Data

PRINT DATE: 2/15/2021 12:46:20 PM

SHEET NO. A004



Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO:	SHRLN-001
DATE:	6/26/2017
DWN. BY:	Author
CHKD BY:	Checker
RVSD:	

REVISIONS:

NO.	DATE	Revision Description
1	9/18/19	City Comments

TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

Barrier Free Details

PRINT DATE:
2/15/2021 12:46:21 PM

SHEET NO.
A007

603 Toilet and Bathing Rooms

603.2 Clearances. Clearances shall comply with 603.2.

603.2.1 Turning Space. Turning space complying with 304 shall be provided within the room.

603.2.2 Overlap. Required clear floor spaces, clearance at fixtures, and turning space shall be permitted to overlap.

603.2.3 Door Swing. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors shall be permitted to swing into the required turning space.

603.3 Mirrors. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the finish floor or ground.

603.4 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

604 Water Closets and Toilet Compartments

604.2 Location. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum to 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Water closets shall be arranged for a left-hand or right-hand approach.

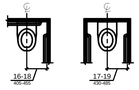


Figure 604.2 Water Closet Location

604.3.1 Size. Clearance around a water closet shall be 60 inches (1525 mm) minimum measured perpendicular from the side wall and 56 inches (1420 mm) minimum measured perpendicular from the rear wall.

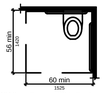


Figure 604.3.1 Size of Clearance at Water Closets

604.3.2 Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance.

604.4 Seats. The seat height of a water closet above the finish floor shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

604.5 Grab Bars. Grab bars for water closets shall comply with 609. Grab bars shall be provided on the side wall closest to the water closet and on the rear wall.

604.5.1 Side Wall. The side wall grab bar shall be 42 inches (1065 mm) long minimum, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370 mm) minimum from the rear wall.

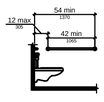


Figure 604.5.1 Side Wall Grab Bar at Water Closets

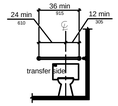


Figure 604.5.2 Rear Wall Grab Bar at Water Closets

604.5.2 Rear Wall. The rear wall grab bar shall be 36 inches (915 mm) long minimum and extend from the centerline of the water closet 12 inches (305 mm) minimum on one side and 24 inches (610 mm) minimum on the other side.

604.6 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309. Flush controls shall be located on the open side of the water closet except in ambulatory accessible compartments complying with 604.8.2.

604.7 Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the finish floor and shall not be located behind grab bars. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

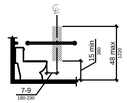


Figure 604.7 Dispenser Outlet Location

604.8.3 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

606 Lavatories and Sinks

606.2 Clear Floor Space. A clear floor space complying with 305, positioned for a forward approach, and knee and toe clearance complying with 306 shall be provided.

606.3 Height. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34 inches (865 mm) maximum above the finish floor or ground.

606.4 Faucets. Controls for faucets shall comply with 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.

606.5 Exposed Pipes and Surfaces. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.

607 Bathtubs

607.2 Clearance. Clearance in front of bathtubs shall extend the length of the bathtub and shall be 30 inches (760 mm) wide minimum. A lavatory complying with 606 shall be permitted at the control end of the clearance. Where a permanent seat is provided at the head end of the bathtub, the clearance shall extend 12 inches (305 mm) minimum beyond the wall at the head end of the bathtub.

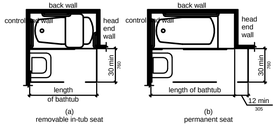


Figure 607.2 Clearance for Bathtubs

607.3 Seat. A permanent seat at the head end of the bathtub or a removable in-tub seat shall be provided. Seats shall comply with 610.

607.4 Grab Bars. Grab bars for bathtubs shall comply with 609 and shall be provided in accordance with 607.4.1 or 607.4.2.

607.4.1 Bathtubs With Permanent Seats. For bathtubs with permanent seats, grab bars shall be provided in accordance with 607.4.1.

607.4.1.1 Back Wall. Two grab bars shall be installed on the back wall, one located in accordance with 609.4 and the other located 8 inches (205 mm) minimum and 10 inches (255 mm) maximum above the rim of the bathtub. Each grab bar shall be installed 15 inches (380 mm) maximum from the head end wall and 12 inches (305 mm) maximum from the control end wall.

607.4.1.2 Control End Wall. A grab bar 24 inches (610 mm) long minimum shall be installed on the control end wall at the front edge of the bathtub.

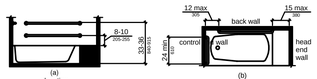


Figure 607.4.1 Grab Bars for Bathtubs with Permanent Seats

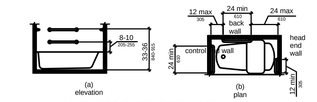


Figure 607.4.2 Grab Bars for Bathtubs with Removable In-Tub Seats

607.4.2 Bathtubs Without Permanent Seats. For bathtubs without permanent seats, grab bars shall comply with 607.4.2.

607.4.2.1 Back Wall. Two grab bars shall be installed on the back wall, one located in accordance with 609.4 and other located 8 inches (205 mm) minimum and 10 inches (255 mm) maximum above the rim of the bathtub. Each grab bar shall be 24 inches (610 mm) long minimum and shall be installed 24 inches (610 mm) maximum from the head end wall and 12 inches (305 mm) maximum from the control end wall.

607.4.2.2 Control End Wall. A grab bar 24 inches (610 mm) long minimum shall be installed on the control end wall at the front edge of the bathtub.

607.4.2.3 Head End Wall. A grab bar 12 inches (305 mm) long minimum shall be installed on the head end wall at the front edge of the bathtub.

Figure 607.5 Bathtub Control Location

607.5 Controls. Controls, other than drain stoppers, shall be located on an end wall. Controls shall be between the bathtub rim and grab bar, and between the open side of the bathtub and the centerline of the width of the bathtub. Controls shall comply with 309.4.

607.6 Shower Spray Unit and Water. A shower spray unit with a hose 59 inches (1500 mm) long minimum that can be used both as a fixed-position shower head and as a hand-held shower shall be provided. The shower spray unit shall have an on/off control with a non-positive shut-off. If an adjustable-height shower head on a vertical bar is used, the bar shall be installed so as not to obstruct the use of grab bars. Bathtub shower spray units shall deliver water that is 120°F (49°C) maximum.

607.7 Bathtub Enclosures. Enclosures for bathtubs shall not obstruct controls, faucets, shower and spray units or obstruct transfer from wheelchairs onto bathtub seats or into bathtubs. Enclosures on bathtubs shall not have tracks installed on the rim of the open face of the bathtub.

608 Shower Compartments

608.2 Size and Clearances for Shower Compartments. Shower compartments shall have sizes and clearances complying with 608.2.

608.2.2 Standard Roll-In Type Shower Compartments. Standard roll-in type shower compartments shall be 30 inches (760 mm) wide minimum by 60 inches (1525 mm) deep minimum clear inside dimensions measured at center points of opposing sides and shall have a 60 inches (1525 mm) wide minimum area in the face of the shower compartment.

608.2.2.1 Clearance. A 30 inch (760 mm) wide minimum by 60 inch (1525 mm) long minimum clearance shall be provided adjacent to the open face of the shower compartment.

Figure 608.2.2 Standard Roll-In Type Shower Compartment Size and Clearance

608.2.3 Alternate Roll-In Type Shower Compartments. Alternate roll-in type shower compartments shall be 36 inches (915 mm) wide and 60 inches (1525 mm) deep minimum clear inside dimensions measured at center points of opposing sides. A 36 inch (915 mm) wide minimum entry shall be provided at one end of the long side of the compartment.

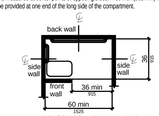


Figure 608.2.3 Alternate Roll-In Type Shower Compartment Size and Clearance

608.3 Grab Bars. Grab bars shall comply with 609 and shall be provided in accordance with 608.3. Where multiple grab bars are used, required horizontal grab bars shall be installed at the same height above the finish floor.

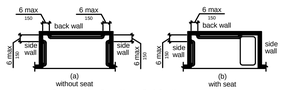


Figure 608.3.2 Grab Bars for Standard Roll-In Type Showers

608.3.3 Alternate Roll-In Type Shower Compartments. In alternate roll-in type shower compartments, grab bars shall be provided on the back wall and the side wall farthest from the compartment entry. Grab bars shall not be provided over the seat. Grab bars shall be installed 8 inches (150 mm) maximum from adjacent walls.

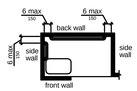


Figure 608.3.3 Grab Bars for Alternate Roll-In Type Showers

608.4 Seats. A folding or non-folding seat shall be provided in transfer type shower compartments. A folding seat shall be provided in roll-in type showers required in transient lodging guest rooms with mobility features complying with 806.2. Seats shall comply with 610.

608.5 Controls. Controls, faucets, and shower spray units shall comply with 309.4.

608.5.1 Transfer Type Shower Compartments. In transfer type shower compartments, the controls, faucets, and shower spray unit shall be installed on the side wall opposite the seat 38 inches (965 mm) minimum and 48 inches (1220 mm) maximum above the shower floor and shall be located on the control wall 15 inches (380 mm) maximum from the centerline of the seat toward the shower opening.

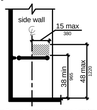


Figure 608.5.1 Transfer Type Shower Compartment Control Location

608.5.2 Standard Roll-In Type Shower Compartments. In standard roll-in type shower compartments, the controls, faucets, and shower spray unit shall be located above the grab bar, but no higher than 48 inches (1220 mm) above the shower floor. Where a seat is provided, the controls, faucets, and shower spray unit shall be installed on the back wall adjacent to the seat wall and shall be located 27 inches (685 mm) maximum from the seat wall.

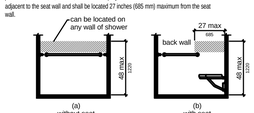


Figure 608.5.2 Standard Roll-In Type Shower Compartment Control Location

608.5.3 Alternate Roll-In Type Shower Compartments. In alternate roll-in type shower bar, but no higher than 48 inches (1220 mm) above the shower floor. Where a seat is provided, the controls, faucets, and shower spray unit shall be located on the side wall

shower spray unit shall be installed on the side wall farthest from the compartment entry.

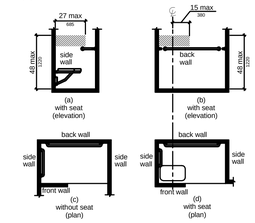


Figure 608.5.3 Alternate Roll-In Type Shower Compartment Control Location

608.6 Shower Spray Unit and Water. A shower spray unit with a hose 59 inches (1500 mm) long minimum that can be used both as a fixed-position shower head and as a hand-held shower shall be provided. The shower spray unit shall have an on/off control with a non-positive shut-off. If an adjustable-height shower head on a vertical bar is used, the bar shall be installed so as not to obstruct the use of grab bars. Shower spray units shall deliver water that is 120°F (49°C) maximum.

608.7 Thresholds. Thresholds in roll-in type shower compartments shall be 1/2 inch (13 mm) high maximum in accordance with 303. In transfer type shower compartments, thresholds 1/2 inch (13 mm) high maximum shall be beveled, rounded, or vertical.

608.8 Shower Enclosures. Enclosures for shower compartments shall not obstruct controls, faucets, and shower spray units or obstruct transfer from wheelchairs onto shower seats.

609 Grab Bars

609.1 General. Grab bars in toilet facilities and bathing facilities shall comply with 609.

609.2 Cross Section. Grab bars shall have a cross section complying with 609.2.1 or 609.2.2.

609.2.1 Circular Cross Section. Grab bars with circular cross sections shall have an outside diameter of 1 1/4 inches (32 mm) minimum and 2 inches (51 mm) maximum.

609.2.2 Non-Circular Cross Section. Grab bars with non-circular cross sections shall have a cross-section dimension of 2 inches (51 mm) maximum and a perimeter dimension of 4 inches (100 mm) minimum and 4.8 inches (120 mm) maximum.

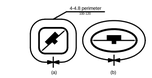


Figure 609.2.2 Grab Bar Non-Circular Cross Section

609.3 Spacing. The space between the wall and the grab bar shall be 1 1/2 inches (38 mm). The space between the grab bar and projecting objects below and at the ends shall be 1 1/2 inches (38 mm) minimum. The space between the grab bar and projecting objects above shall be 12 inches (305 mm) minimum.

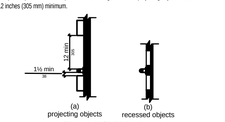


Figure 609.3 Spacing of Grab Bars

609.4 Position of Grab Bars. Grab bars shall be installed in a horizontal position, 33 inches (840 mm) minimum and 36 inches (915 mm) maximum above the finish floor measured to the top of the gripping surface, except that at water closets for children's use complying with 604.9, grab bars shall be installed in a horizontal position 18 inches (455 mm) minimum and 27 inches (685 mm) maximum above the finish floor measured to the top of the gripping surface. The height of the lower grab bar on the back wall of a bathtub shall comply with 607.4.1.1 or 607.4.2.1.

609.5 Surface Hazards. Grab bars and any wall or other surfaces adjacent to grab bars shall be free of sharp or abrasive elements and shall have rounded edges.

609.6 Fittings. Grab bars shall not rotate within their fittings.

609.7 Installation. Grab bars shall be installed in any manner that provides a gripping surface at the specified locations and that does not obstruct the required clear floor space.

609.8 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the grab bar, fastener, mounting device, or supporting structure.

610 Seats

610.2 Bathtub Seats. The top of bathtub seats shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the bathroom finish floor. The depth of a removable in-tub seat shall be 15 inches (380 mm) minimum and 16 inches (405 mm) maximum. The seat shall be capable of secure placement. Permanent seats at the head end of the bathtub shall be 15 inches (380 mm) deep minimum and shall extend from the back wall to or beyond the outer edge of the bathtub.

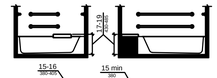


Figure 610.2 Bathtub Seats

610.3 Shower Compartment Seats. Where a seat is provided in a standard roll-in shower compartment, it shall be a folding type, shall be installed on the side wall adjacent to the controls, and shall extend from the back wall to a point within 3 inches (75 mm) of the compartment entry. Where a seat is provided in an alternate roll-in type shower compartment, it shall be a folding type, shall be installed on the front wall opposite the back wall, and shall extend from the adjacent side wall to a point within 3 inches (75 mm) of the compartment entry. In transfer-type showers, the seat shall extend from the back wall to a point within 3 inches (75 mm) of the compartment entry. The top of the seat shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the bathroom finish floor. Seats shall comply with 610.3.1 or 610.3.2.

Figure 610.3 Extent of Seat

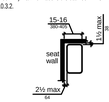


Figure 610.3.1 Rectangular Shower Seat

610.3.1 Rectangular Seats. The rear edge of a rectangular seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The side edge of the seat shall be 1 1/2 inches (38 mm) maximum from the adjacent wall.

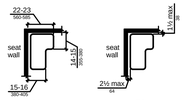


Figure 610.3.2 L-Shaped Shower Seat

610.3.2 L-Shaped Seats. The rear edge of an L-shaped seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The rear edge of the "L" portion of the seat shall be 1 1/2 inches (38 mm) maximum from the wall and the front edge shall be 14 inches (355 mm) minimum and 15 inches (380 mm) maximum from the wall. The end of the "L" shall be 22 inches (560 mm) minimum and 23 inches maximum (585 mm) from the main seat wall.

610.4 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the seat, fastener, mounting device, or supporting structure.

611 Washing Machines and Clothes Dryers

611.2 Clear Floor Space. A clear floor or ground space complying with 305 positioned for parallel approach shall be provided. The clear floor or ground space shall be centered on the appliance.

611.3 Operable Parts. Operable parts, including doors, lint screens, and detergent and bleach compartments shall comply with 309.

611.4 Height. Top loading machines shall have the door to the laundry compartment located 36 inches (915 mm) maximum above the finish floor. Front loading machines shall have the bottom of the opening to the laundry compartment located 15 inches (380 mm) minimum and 36 inches (915 mm) maximum above the finish floor.

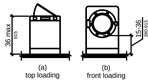


Figure 611.4 Height of Laundry Compartment Opening

612 Saunas and Steam Rooms

612.2 Bench. Where seating is provided in saunas and steam rooms, at least one bench shall comply with 903. Doors shall not swing into the clear floor space required by 903.2.

612.3 Turning Space. A turning space complying with 304 shall be provided within saunas and steam rooms

CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES

702 Fire Alarm Systems

702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (1999 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1), except that the maximum allowable sound level of audible notification appliances complying with section 4-3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with sections 4-3 and 4-4 of NFPA 72 (1999 edition) or sections 7.4 and 7.5 of NFPA 72 (2002 edition).

703 Signs

703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

703.2.2 Case. Characters shall be uppercase.

703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

Figure 703.2.5 Height of Raised Characters

703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

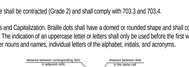


Figure 703.3.1 Braille Measurement

703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.

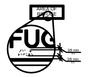


Figure 703.3.2 Position of Braille

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

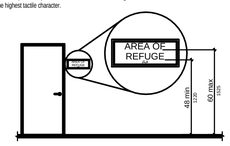


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

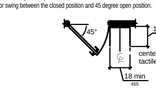


Figure 703.4.2 Location of Tactile Signs at Doors

703.5 Visual Characters. Visual characters shall comply with 703.5.

703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.

703.6 Pictograms. Pictograms shall comply with 703.6.

703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

Figure 703.6.1 Pictogram Field
blank non-light

703.6.2 Finish and Contrast. Pictograms and their field shall have a non-glare finish. Pictograms shall contrast with their field with either a light pictogram on a dark field or a dark pictogram on a light field.

703.6.3 Text Descriptors. Pictograms shall have text descriptors located directly below the pictogram field. Text descriptors shall comply with 703.2, 703.3 and 703.4.

703.7 Symbols of Accessibility. Symbols of accessibility shall comply with 703.7.

703.7.1 Finish and Contrast. Symbols of accessibility and their background shall have a non-glare finish. Symbols of accessibility shall contrast with their background with either a light symbol on a dark background or a dark symbol on a light background.

704 Telephones

704.1 General. Public telephones shall comply with 704.

704.2 Wheelchair Accessible Telephones. Wheelchair accessible telephones shall comply with 704.2.

704.2.1 Clear Floor or Ground Space. A clear floor or ground space complying with 305 shall be provided. The clear floor or ground space shall not be obstructed by bases, enclosures, or seats.

Advisory 704.2.1 Clear Floor or Ground Space. Because clear floor and ground space is required to be unobstructed, telephones, enclosures and related telephone book storage cannot encroach on the required clear floor or ground space and must comply with the provisions for protruding objects. (See Section 307).

704.2.1.1 Parallel Approach. Where a parallel approach is provided, the distance from the edge of the telephone enclosure to the face of the telephone unit shall be 10 inches (255 mm) maximum.

Figure 704.2.1.1 Parallel Approach to Telephone

Figure 704.2.1.2 Forward Approach to Telephone

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

REGISTERED ARCHITECT 7227 DALE SWEENEY STATE OF WASHINGTON

REVISIONS

NO.	DATE	Revision Description

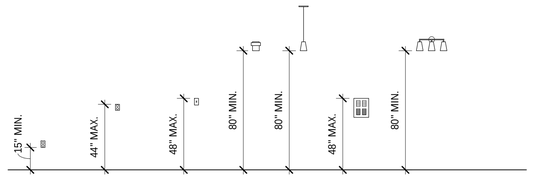
JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
RVSD:

TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

Barrier Free Details

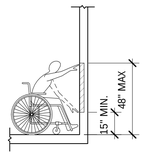
PRINT DATE: 2/15/2021 12:46:21 PM

SHEET NO. A008

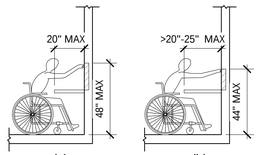


ELECTRICAL MOUNTING HEIGHTS

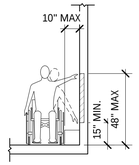
5 ELECTRICAL MOUNTING HEIGHT1
1/4" = 1'-0"



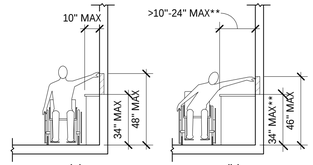
UNOBSTRUCTED FORWARD REACH
FIG 308.2.1



UNOBSTRUCTED HIGH FORWARD REACH
FIG 308.2.2



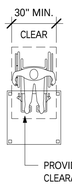
UNOBSTRUCTED HIGH SIDE REACH
FIG. 308.3.1



OBSTRUCTED HIGH SIDE REACH
FIG 308.3.2

** IN TYPE B UNITS WITHIN KITCHENS AND BATHROOMS, LIGHTING CONTROLS, ELECTRICAL SWITCHES AND RECEPTACLE OUTLETS ARE PERMITTED TO BE LOCATED OVER CABINETS WITH COUNTERTOPS 36" MAX. IN HEIGHT AND 25-1/2" MAX. IN DEPTH PER SEC. 1004.9 EXCEPTION 10.

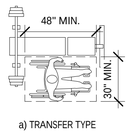
6 REACH RANGES
1/4" = 1'-0"



1. AT LEAST 5% OF SEATING AND STANDING SPACES AT FIXED OR BUILT-IN TABLES, COUNTERS, AND WORKSURFACES, SHALL BE ACCESSIBLE BUT NOT LESS THAN ONE AND SHALL BE DISTRIBUTED THROUGHOUT THE SPACE PER IBC SEC. 1109.10.

2. WHERE DINING SURFACES FOR THE CONSUMPTION OF FOOD AND DRINK ARE PROVIDED, AT LEAST 5% BUT NOT LESS THAN ONE, OF THE DINING SURFACES FOR THE SEATING AND STANDING SPACES SHALL BE ACCESSIBLE AND BE DISTRIBUTED THROUGHOUT THE FACILITY PER IBC SEC. 1108.2.9.1.

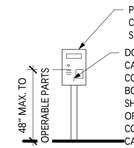
BREAKFAST SEATING
IBC SEC. 1109.10



a) TRANSFER TYPE

PER ADA (2010) SECTIONS 236 & 1004, AT LEAST ONE TYPE OF EACH EXERCISE MACHINE AND EQUIPMENT SHALL HAVE A CLEAR FLOOR SPACE COMPLYING WITH 305 POSITIONED FOR TRANSFER OR FOR USE BY AN INDIVIDUAL SEATED IN A WHEELCHAIR. CLEAR FLOOR OR GROUND SPACES REQUIRED AT EXERCISE MACHINES AND EQUIPMENT SHALL BE PERMITTED TO OVERLAP.

CLEAR FLOOR SPACE AT EXCERCISE EQUIPMENT
ADA (2010) SEC. 1004

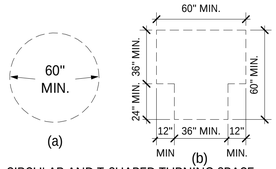


POST OR WALL MOUNTED COMMON-USE COMMUNICATION SYSTEM (DOOR ENTRY SYSTEM)

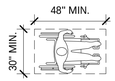
DOOR ENTRY SYSTEM SHALL INCLUDE THE CAPABILITY TO SUPPORT VOICE AND TTY COMMUNICATION. SYSTEM SHALL PROVIDE BOTH AUDIBLE AND VISUAL SIGNALS. UNITS SHALL INCLUDE A TELEPHONE JACK CAPABLE OF SUPPORTING VOICE AND TTY COMMUNICATION WITH THE CALLBOX/INTERCOM SYSTEM.

COMMON-USE COMMUNICATION SYSTEM
ADA (2010) SEC. 230 & ICC A117.1-2009 SEC. 1005.6

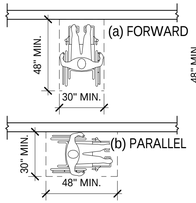
3. COMMON ACCESSIBLE ELEMENTS2
1/4" = 1'-0"



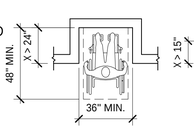
CIRCULAR AND T-SHAPED TURNING SPACE
FIG. 304.3



SIZE OF CLEAR FLOOR SPACE
FIG. 305.3



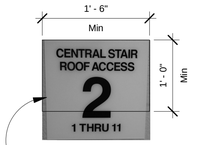
SIZE AND POSITION OF CLEAR FLOOR SPACE
FIG. 305.5



MANEUVERING CLEARANCE IN ALCOVE
FIG. 305.7

3 CLEAR FLOOR OR GROUND SPACE
1/4" = 1'-0"

1. The signs shall be a minimum size of 18 inches (457mm) by 12 inches (305 mm).
2. The letters designating the identification of the interior exit stairway and ramp shall be not less than 11/2 inches (38 mm) in height. The number designating the floor level shall be not less than 5 inches (127 mm) in height and located in the center of the sign.
3. Other lettering and numbers shall be not less than 1 inch (25 mm) in height. Characters and their background shall have a nonglare finish. Characters shall contrast with their background, with either light characters on a dark background or dark characters on a light background.
4. Where signs required by Section 1023.9 are installed in the interior exit stairways and ramps of buildings sub-ject to Section 1025, the signs shall be made of the same materials as required by Section 1025.4.



Sign Example - Contractor to design sign for each stairwell and floor.

Note: Install sign per IBC 1023.9

4 Stair Floor Level Sign1
1" = 1'-0"

ADDITIONAL BARRIER FREE NOTES

A. ALL FLOOR COVERING SURFACES WHICH ARE PART OF AN ACCESSIBLE ROUTE SHALL BE FIRM, STABLE, AND SLIP RESISTANT. ICC/ANSI 302.1

B. TOILET FLUSH CONTROLS SHALL BE MOUNTED FOR USE FROM THE WIDE SIDE OF THE WATER CLOSET AREA. ICC 604.6. FAUCET CONTROL HANDLES AND FLUSH CONTROLS SHALL HAVE LEVER OR OTHER SHAPE PERMITTING OPERATION BY WRIST OR ARM PRESSURE AND NOT REQUIRING TIGHT GRASPING, PINCHING, OR TWISTING TO OPERATE. ICC 309.4. LAVATORIES SHALL BE MOUNTED TO COMPLY WITH THE FOLLOWING: MINIMUM CLEARANCE OF 29" FROM THE FLOOR TO THE BOTTOM OF THE APRON; AND 27" TO THE BOTTOM OF THE SINK; THE COUNTER OR RIM NO HIGHER THAN 34" FROM THE FLOOR; SINK SHALL BE MAX OF 6 ½" DEEP; HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED; SHARP OR ABRASIVE SURFACES UNDER LAVATORIES ARE NOT PERMITTED. A CLEAR FLOOR SPACE AT LEAST 30"X48" SHALL BE PROVIDED IN FRONT OF LAVATORIES.

C. UNISEX TOILET ROOMS SHALL BE PROVIDED WITH PRIVACY LOCK. IBC 1109.2.1.7

D. THE ACCESSIBLE UNIT TUBS SHALL BE PROVIDED 2 GRAB BARS. ONE GRAB BAR SHALL BE 9" ABOVE B ANTHE RIM OF THE TUB THE OTHER 33"-36" ABOVE THE FLOOR OF THE ROOM.

E. WHERE AN ACCESSIBLE DRINKING FOUNTAIN IS PROVIDED, AT LEAST ONE STANDARD HEIGHT DRINKING FOUNTAIN (39"-42" SPOUT HEIGHT) AND ONE AT THE ACCESSIBLE HEIGHT (MAX 36") SHALL BE PROVIDED. IBC 1109.5.

F. ACCESSIBLE SEATING FOR PEOPLE IN WHEELCHAIRS SHALL HAVE KNEE SPACES AND TOE CLEARANCES PER ICC 306.2 & 306.3. CUSTOMER SERVICE COUNTERS SHALL INCLUDE AN ACCESSIBLE PORTION, NOT LASS THAN 36" LONG AND NOT MORE THAN 36" ABOVE THE FINISH FLOOR PER ICC 904.3. COMMON USE SINKS ARE REQUIRED TO BE MOUNTED WITH THE COUNTER OR RIM NO HIGHER THAN 34" ABOVE THE FINISH FLOOR. FAUCETS SHALL HAVE CONTROLS AND OPERATING MECHANISMS OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST PER ICC 309.4.

G. SWITCHES, ENVIRONMENTAL CONTROLS, ETC, SHALL BE LOCATED NOT OVER 48" (FORWARD REACH), 54" (SIDE REACH), AND NOT LESS THAN 36" ABOVE THE FLOOR. NOTE: OBSTRUCTIONS ADJACENT TO THE SWITCHES WILL CHANGE THESE HEIGHT REQUIREMENTS. SEE THE APPROPRIATE CODE SECTION. ELECTRICAL AND COMMUNICATION RECEPTACLES SHALL NOT BE LESS THAN 15" OFF THE FLOOR, MEASURED TO THE BOTTOM OF THE RECEPTACLE. ICC 308.

H. A MINIMUM OF 2 HEARING IMPAIRED ROOMS ARE REQUIRED. SEE IBC 907.3.1.2. EACH HEARING IMPAIRED ROOM SHALL BE PROVIDED A TELEPHONE COMPLYING WITH ICC 704. THE HIGHEST OPERABLE PART OF A TELEPHONE SHALL BE A MAX 54" ABOVE THE FLOOR. VOLUME CONTROLS SHALL BE HEARING AID COMPATIBLE, CAPABLE OF INCREASING VOLUME NOT LESS THAN 12 DECIBLES OR MORE THAN 20 DECIBLES ABOVE NORMAL. THE CORD FROM THE TELEPHONE TO THE HANDSET SHALL NOT BE LESS THAN 29" LONG. ICC 703.2.2,703.2.4,703.3

I. EMERGENCY WARNING SYSTEMS, WARNINGS, AND SIGNAGE SHALL COMPLY WITH IBC 907.9. BOTH AUDIBLE AND VISUAL ALARMS SHALL BE PROVIDED.

J. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR AND BE CENTERED 60" ABOVE THE FINISHED FLOOR. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT AN 18" X 18" CLEAR FLOOR AREA, CENTERED ON THE SIGNAGE, IS PROVIDED BEYOND THE ARC OF THE DOOR. ICC 703.3.1. THE FINISH, COLOR, CHARACTER PROPORTIONS, HEIGHT, RAISED OR BRAILLE CHARACTERS, AND PICTORIAL SYMBOLS SHALL BE AS REQUIRED IN ICC 703.

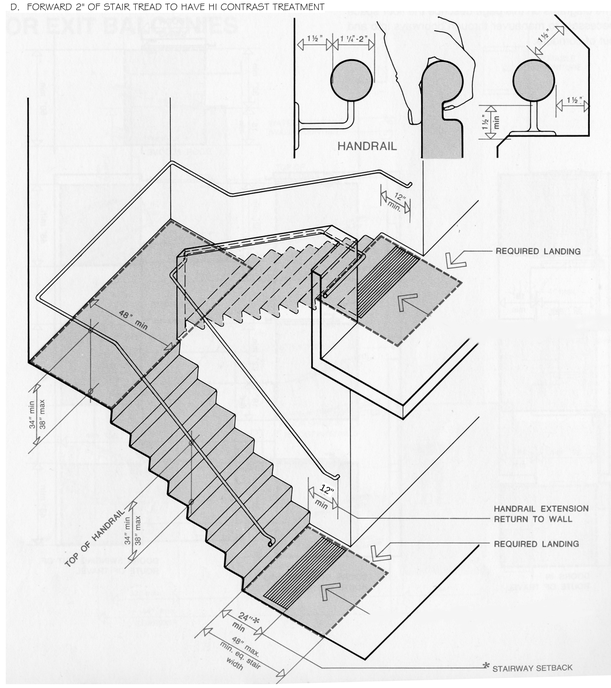
STAIRS:

A. STAIRS SYSTEMS TO COMPLY WITH IBC 1022.6 AND ICC/ANSI A117.1

B. STAIR HANDRAILS AND HANDRAIL EXTENSIONS TO BE ON BOTH SIDES OF STAIRWAYS.

C. OPEN RISERS ARE NOT PERMITTED PER ICC/ANSI 504.3

D. FORWARD 2" OF STAIR TREAD TO HAVE HI CONTRAST TREATMENT



Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

REGISTERED ARCHITECT 7227 DALE SWEENEY STATE OF WASHINGTON

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/(S): :

REVISIONS
NO. DATE Revision Description

Permit No:
R termits No:
15-106971GD
15-107971VE

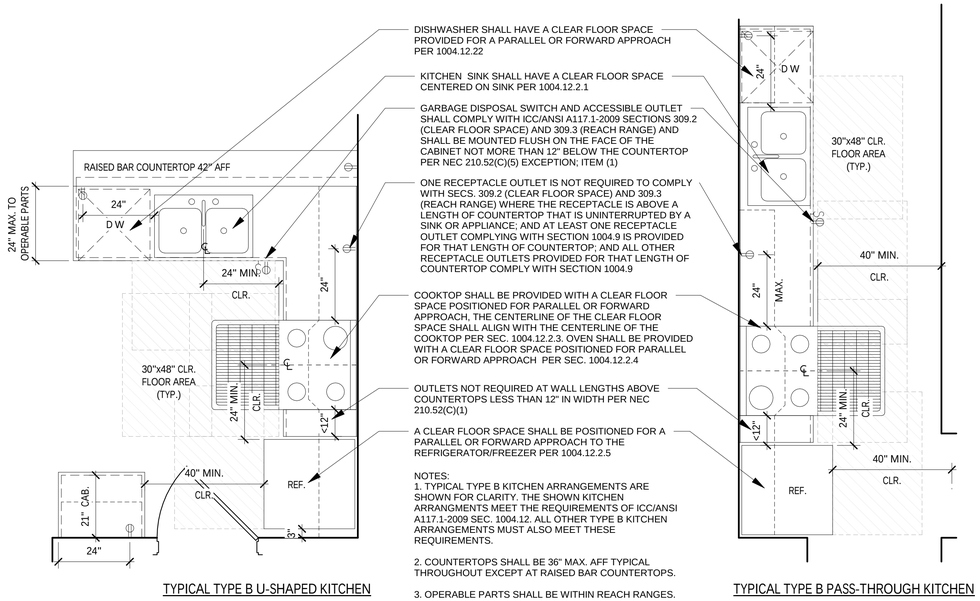
TP HOME 22 UNIT APTS. 2152

TP Home LLC
2152 N 185TH ST.

Barrier Free Details

PRINT DATE:
2/15/2021 12:46:23 PM

SHEET NO.
A009



DISHWASHER SHALL HAVE A CLEAR FLOOR SPACE PROVIDED FOR A PARALLEL OR FORWARD APPROACH PER 1004.12.22

KITCHEN SINK SHALL HAVE A CLEAR FLOOR SPACE CENTERED ON SINK PER 1004.12.2.1

GARBAGE DISPOSAL SWITCH AND ACCESSIBLE OUTLET SHALL COMPLY WITH ICC/ANSI A117.1-2009 SECTIONS 309.2 (CLEAR FLOOR SPACE) AND 309.3 (REACH RANGE) AND SHALL BE MOUNTED FLUSH ON THE FACE OF THE CABINET NOT MORE THAN 12" BELOW THE COUNTERTOP PER NEC 210.52(C)(5) EXCEPTION; ITEM (1)

ONE RECEPTACLE OUTLET IS NOT REQUIRED TO COMPLY WITH SECS. 309.2 (CLEAR FLOOR SPACE) AND 309.3 (REACH RANGE) WHERE THE RECEPTACLE IS ABOVE A LENGTH OF COUNTERTOP THAT IS UNINTERRUPTED BY A SINK OR APPLIANCE; AND AT LEAST ONE RECEPTACLE OUTLET COMPLYING WITH SECTION 1004.9 IS PROVIDED FOR THAT LENGTH OF COUNTERTOP; AND ALL OTHER RECEPTACLE OUTLETS PROVIDED FOR THAT LENGTH OF COUNTERTOP COMPLY WITH SECTION 1004.9

COOKTOP SHALL BE PROVIDED WITH A CLEAR FLOOR SPACE POSITIONED FOR PARALLEL OR FORWARD APPROACH, THE CENTERLINE OF THE CLEAR FLOOR SPACE SHALL ALIGN WITH THE CENTERLINE OF THE COOKTOP PER SEC. 1004.12.2.3. OVEN SHALL BE PROVIDED WITH A CLEAR FLOOR SPACE POSITIONED FOR PARALLEL OR FORWARD APPROACH PER SEC. 1004.12.2.4

OUTLETS NOT REQUIRED AT WALL LENGTHS ABOVE COUNTERTOPS LESS THAN 12" IN WIDTH PER NEC 210.52(C)(1)

A CLEAR FLOOR SPACE SHALL BE POSITIONED FOR A PARALLEL OR FORWARD APPROACH TO THE REFRIGERATOR/FREEZER PER 1004.12.2.5

NOTES:
1. TYPICAL TYPE B KITCHEN ARRANGEMENTS ARE SHOWN FOR CLARITY. THE SHOWN KITCHEN ARRANGMENTS MEET THE REQUIREMENTS OF ICC/ANSI A117.1-2009 SEC. 1004.12. ALL OTHER TYPE B KITCHEN ARRANGEMENTS MUST ALSO MEET THESE REQUIREMENTS.

2. COUNTERTOPS SHALL BE 36" MAX. AFF TYPICAL THROUGHOUT EXCEPT AT RAISED BAR COUNTERTOPS.

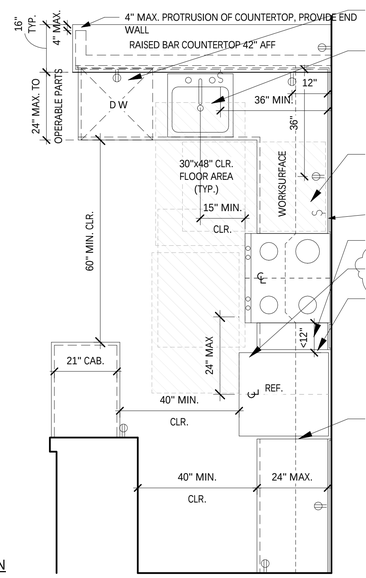
3. OPERABLE PARTS SHALL BE WITHIN REACH RANGES. PER SEC. 309, OPERABLE PARTS ARE NOT PERMITTED FOR SIDE APPROACH ABOVE 36" HIGH COUNTERTOPS, FORWARD APPROACH MUST BE PROVIDED WHERE OPERABLE PARTS ARE LOCATED ABOVE 36" HIGH COUNTERTOPS. WHERE FORWARD APPROACH IS NOT PROVIDED, OPERABLE PARTS SHALL BE LOCATED ON WALLS ADJACENT CABINETS, FLUSH ON FACE OF CABINETS, OR FLUSH AT ENDS OF CABINETS WHERE AN UNOBSTRUCTED REACH WOULD BE POSSIBLE.

TYPICAL TYPE B U-SHAPED KITCHEN

TYPICAL TYPE B PASS-THROUGH KITCHEN

6 TYPICAL TYPE B KITCHEN REQUIREMENTS1

SCALE : 1/2" = 1'-0"



DISHWASHER SHALL HAVE A CLEAR FLOOR SPACE PROVIDED ADJACENT TO THE DOOR PER 1003.12.5.3

*KITCHEN SINK PER 1003.12.4. SINK SHALL HAVE A CLEAR FLOOR SPACE POSITIONED FOR FORWARD APPROACH. EXPOSED WATER SUPPLY AND DRAIN PIPES SHALL BE INSULATED TO PROTECT AGAINST CONTACT PER 1003.12.4. FAUCETS SHALL BE WITHIN THE REACH RANGES SPECIFIED IN SEC. 308. FAUCETS SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST PER SEC. 309.4. THE FRONT OF THE SINK SHALL BE 34" MAX. ABOVE THE FLOOR MEASURED TO THE HIGHER OF THE RIM OR COUNTER SURFACE PER SEC. 1003.12.4.2. SEE CABINETRY NOTES.

*PROVIDE 30" MIN. WIDE WORK SURFACE PER SEC. 1003.12.3. WORKSURFACE SHALL HAVE A CLEAR FLOOR SPACE POSITIONED FOR FORWARD APPROACH PER SEC. 1003.12.3.1. THE WORKSURFACE SHALL BE 34" MAX. ABOVE THE FLOOR PER SEC. 1003.12.3.2. SEE CABINETRY NOTES.

RANGE HOOD CONTROL SWITCH LOCATED WITHIN THE REACH RANGES OF SEC. 308

OUTLETS NOT REQUIRED AT WALL LENGTHS ABOVE COUNTERTOPS LESS THAN 12" IN WIDTH PER NEC 210.52(C)(1)

THE LOCATION OF CONTROLS SHALL NOT REQUIRE REACHING ACROSS BURNERS PER 1003.12.5.5.4.

BOTTOM-HINGED DOOR OVENS SHALL HAVE ADJACENT COUNTERTOP TO ONE SIDE OF DOOR PER 1003.12.6.5

RANGE HOOD CONTROL SWITCH LOCATED WITHIN THE REACH RANGES OF SEC. 308

*PROVIDE 30" MIN. WIDE WORK SURFACE PER SEC. 1003.12.3. WORKSURFACE SHALL HAVE A CLEAR FLOOR SPACE POSITIONED FOR FORWARD APPROACH PER SEC. 1003.12.3.1. THE WORKSURFACE SHALL BE 34" MAX. ABOVE THE FLOOR PER SEC. 1003.12.3.2. SEE CABINETRY NOTES.

REFRIGERATOR/FREEZER SHALL HAVE AT LEAST 50% OF SHELVES (INCLUDING BOTTOM OF FREEZER) 54" MAX A.F.F. A CLEAR FLOOR SPACE POSITIONED FOR PARALLEL APPROACH SHALL BE PROVIDED. THE CENTERLINE OF THE CLEAR FLOOR SPACE SHALL BE OFFSET 24" MAX FROM CENTER OF APPLIANCE PER SEC. 1003.12.6.6

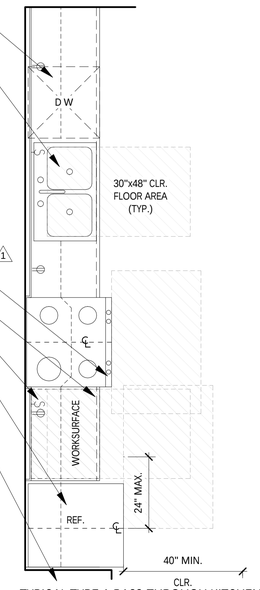
*TYPE A UNIT CABINETRY NOTES:
CABINETRY SHALL BE PERMITTED UNDER SINKS AND WORK SURFACES IN TYPE A UNITS PROVIDED THE CABINETRY CAN BE REMOVED WITHOUT REMOVAL OR REPLACEMENT OF THE WORK SURFACE, THE FINISH FLOOR EXTENDS UNDER THE CABINETRY AND THE WALLS BEHIND THE SURROUNDING CABINETRY ARE FINISHED, PER SECS. 1003.12.3.1 EXCEPTION, 1003.12.4.1 EXCEPTION, & 1003.11.5 EXCEPTION.

NOTES:
1. TYPICAL TYPE A KITCHEN ARRANGEMENTS ARE SHOWN FOR CLARITY. THE SHOWN KITCHEN ARRANGMENTS MEET THE REQUIREMENTS OF ICC/ANSI A117.1-2009 SEC. 1003.12. ALL OTHER TYPE A KITCHEN ARRANGEMENTS MUST ALSO MEET THESE REQUIREMENTS.

2. COUNTERTOPS SHALL BE 34" MAX. AFF TYPICAL THROUGHOUT EXCEPT AT RAISED BAR COUNTERTOPS. AT SINKS, THE FRONT OF THE SINK SHALL BE 34" MAX. AFF, MEASURED TO THE HIGHER OF THE RIM OR COUNTER SURFACE.

3. OPERABLE PARTS ABOVE COUNTERTOPS SHALL BE WITHIN REACH RANGES. PROVIDE FURRING AT BACKSPLASH PER DETAILS 4/A006 AND 5/A006 TO MEET REACH RANGES USING STANDARD 24" DEPTH BASE CABINETS.

TYPICAL TYPE A U-SHAPED KITCHEN



TYPICAL TYPE A PASS-THROUGH KITCHEN

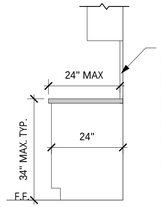
5 TYPICAL TYPE A KITCHEN REQUIREMENTS1

SCALE : 1/2" = 1'-0"

NOTES:

1. PROVIDE WOOD BLOCKING IN THE PARTITION WALLS AS REQ'D TO MOUNT THE ACCESSORIES SHOWN. INSTALL ACOUSTIC BATT INSUL. BEHIND ALL RECESSED OR SEMI-RECESSED ACCESSORIES.
2. PROVIDE SURFACE MOUNT ACCESSORIES AT FIRE-RATED WALL ASSEMBLIES. SURFACE MOUNTED ACCESSORIES SHALL MEET THE REQUIREMENTS FOR PROTRUDING OBJECTS. REF DETAIL 6/A004.

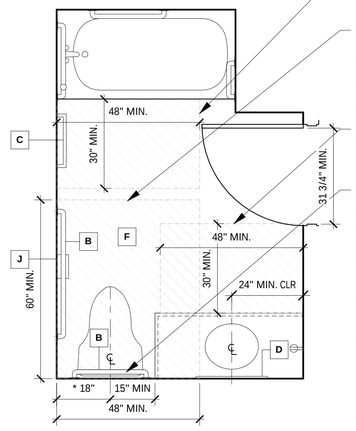
TOILET ACCESSORIES	
MARK	ITEM
A	TOILET PAPER DISPENSER RECESSED, DOUBLE ROLL
B	GRAB BAR - 1 1/2" DIA., S/S, PREENED GRIP, SNAP FLANGE
C	TOWEL BAR
D	MIRROR - S/S ANGLE FRAME. INSTALL 40" MAX A.F.F.
E	COAT HOOK
F	EXHAUST FAN
G	SOAP DISPENSER
H	PAPER TOWEL DISP/RECEP. RECESSED
J	TOILET PAPER HOLDER



FURRING BETWEEN COUNTERTOP AND UPPER CABINETS, AS REQ'D TO REDUCE DEPTH OF COUNTERTOP TO 24" MAX, REQUIRED FOR REACH RANGE TO OPERABLE PARTS PER SEC. 1003.9. DO NOT EXTEND FURRING BEHIND APPLIANCES.

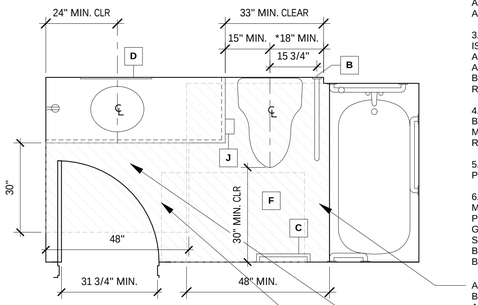
4 TYPE A AND COMMON AREA KITCHEN CABINETS

SCALE : 1/2" = 1'-0"



3 TYP. CLEARANCE REQUIREMENTS AT TYPE B UNIT BATHROOM - OPTION B

SCALE : 1/2" = 1'-0"



NOTES:
1. *WHEN A WATERCLOSET IS ADJACENT A WALL, THE CENTERLINE OF TOILET MUST BE LOCATED EXACTLY 18" CLEAR TO THE WALL PER SEC. 1004.11.3.1.2.

2. IN EACH TYPE B UNIT, EITHER ALL BATHROOMS MUST MEET OPTION A REQUIREMENTS OR ONE BATHROOM MUST MEET OPTION B REQUIREMENTS- THE OTHER BATHROOM IS EXEMPT FROM ONLY THE CLEAR FLOOR SPACE AND MANUVERING CLEARANCES. ALL BATHROOMS ARE ASSUMED TO MEET THE REQUIREMENTS OF OPTION A UNLESS NOTED OTHERWISE ON THE UNIT PLANS.

3. TYPICAL TYPE B - OPTION A BATHROOM ARRANGEMENT IS SHOWN FOR CLARITY. THE SHOWN BATHROOM ARRANGMENT MEETS THE REQUIREMENTS OF ICC/ANSI A117.1-2009 SEC. 1004.11. ALL OTHER TYPE B - OPTION A BATHROOM ARRANGEMENTS MUST ALSO MEET THESE REQUIREMENTS.

4. COUNTERTOPS SHALL BE 34" MAX. AFF TYPICAL IN BATHROOMS. THE FRONT OF THE LAVATORY SHALL BE 34" MAX. AFF, MEASURED TO THE HIGHER OF THE FIXTURE RIM OR COUNTER SURFACE.

5. OPERABLE PARTS SHALL BE WITHIN REACH RANGES. PER SEC. 309

6. ALL FIXTURES IN ALL UNIT BATHROOMS MUST MEET MINIMUM GRAB BAR REINFORCING REQUIREMENTS. PROVIDE REINFORCING FOR FUTURE INSTALLATION OF GRAB BARS AT WATER CLOSETS, BATHTUBS, AND SHOWER COMPARTMENTS PER SEC. 1004.11.2. GRAB BARS ARE NOT REQUIRED, ONLY REINFORCING FOR GRAB BARS IS REQUIRED.

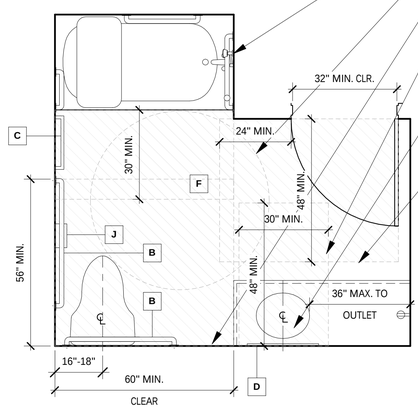
A CLEARANCE 60" MIN. LENGTH AND 48" MIN. WIDTH SHALL BE PROVIDED IN FRONT OF BATHTUBS WITH A FORWARD APPROACH. A WATER CLOSET SHALL BE PERMITTED IN THE CLEARANCE AT THE CONTROL END OF THE BATHTUB PER SEC. 1004.11.3.1.3.2. VANITIES OR LAVATORIES ON THE WALL BEHIND THE WATER CLOSET ARE PERMITTED TO OVERLAP THE CLEARANCE PER SEC. 1004.11.3.1.2.1.

A CLEAR FLOOR SPACE COMPLYING WITH SEC. 305.3, POSITIONED FOR A PARALLEL APPROACH, SHALL BE PROVIDED. THE CLEAR FLOOR SPACE SHALL BE CENTERED ON THE LAVATORY PER. SEC. 1004.11.3.1.1

DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE FOR ANY FIXTURE EXCEPT WHERE A CLEAR FLOOR SPACE IS PROVIDED WITHIN THE ROOM BEYOND THE ARC OF THE DOOR SWING PER SEC. 1004.11.1.1 EXCEPTION.

2 TYP. CLEARANCE REQUIREMENTS AT TYPE B UNIT BATHROOM - OPTION A

SCALE : 1/2" = 1'-0"



BATHTUB PER SEC. 1003.11.8.

60" MIN. CLR. TURNING CIRCLE, WHERE CIRCLE EXTENDS BELOW COUNTERTOP, PROVIDE COUNTERTOP SUPPORT PANEL PER DETAIL 7/A805.

NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE LOCATED WITHIN THE REQUIRED WATER CLOSET CLEARANCE PER SEC. 1003.11.7.3.

30" X 48" CLEAR FLOOR SPACE POSITIONED FOR FORWARD APPROACH CENTERED ON LAVATORY

*LAVATORY PER SEC. 1003.11.5. A CLEAR FLOOR SPACE POSITIONED FOR FORWARD APPROACH WITH KNEE AND TOE CLEARANCE COMPLYING WITH SECTIONS 305.3 AND 306 SHALL BE PROVIDED. THE FRONT OF LAVATORY SHALL BE 34" AFF MEASURED TO THE HIGHER OF THE RIM OR COUNTER SURCACE. FAUCETS SHALL COMPLY WITH SEC. 606.4. EXPOSED WATER SUPPLY AND DRAIN PIPES UNDER THE LAVATORIES SHALL BE INSULATED PER SEC. 606.6.

DOOR APPROACH CLEARANCE, LATCH APPROACH PULL SIDE SHOWN

NOTES:
1. WATER CLOSETS MUST BE LOCATED ADJACENT A WALL IN TYPE A BATHROOMS.

2. TYPICAL TYPE A UNIT BATHROOM ARRANGEMENT IS SHOWN FOR CLARITY. THE SHOWN BATHROOM ARRANGMENT MEETS THE REQUIREMENTS OF ICC/ANSI A117.1-2009 SEC. 1003.11. ALL OTHER TYPE A BATHROOM ARRANGEMENTS MUST ALSO MEET THESE REQUIREMENTS.

3. COUNTERTOPS SHALL BE 34" MAX. AFF TYPICAL IN BATHROOMS. THE FRONT OF THE LAVATORY SHALL BE 34" MAX. AFF, MEASURED TO THE HIGHER OF THE FIXTURE RIM OR COUNTER SURFACE.

4. OPERABLE PARTS SHALL BE WITHIN REACH RANGES. PER SEC. 309.

5. ALL FIXTURES IN ALL UNIT BATHROOMS MUST MEET MINIMUM GRAB BAR REINFORCING REQUIREMENTS. PROVIDE REINFORCING FOR FUTURE INSTALLATION OF GRAB BARS AT WATER CLOSETS, BATHTUBS, AND SHOWER COMPARTMENTS PER SEC. 1003.11.4. GRAB BARS ARE NOT REQUIRED, ONLY REINFORCING FOR GRAB BARS IS REQUIRED.

6. *CABINETRY SHALL BE PERMITTED UNDER SINKS AND WORK SURFACES IN TYPE A UNITS PROVIDED THE CABINETRY CAN BE REMOVED WITHOUT REMOVAL OR REPLACEMENT OF THE WORK SURFACE, THE FINISH FLOOR EXTENDS UNDER THE CABINETRY AND THE WALLS BEHIND THE SURROUNDING CABINETRY ARE FINISHED, PER SECS. 1003.12.3.1 EXCEPTION, 1003.12.4.1 EXCEPTION, & 1003.11.5 EXCEPTION.

1 TYP. CLEARANCE REQUIREMENTS AT TYPE A UNIT BATHROOM

SCALE : 1/2" = 1'-0"

REGISTERED ARCHITECT
7227
DALE SWEENEY
STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/SD:

REVISIONS

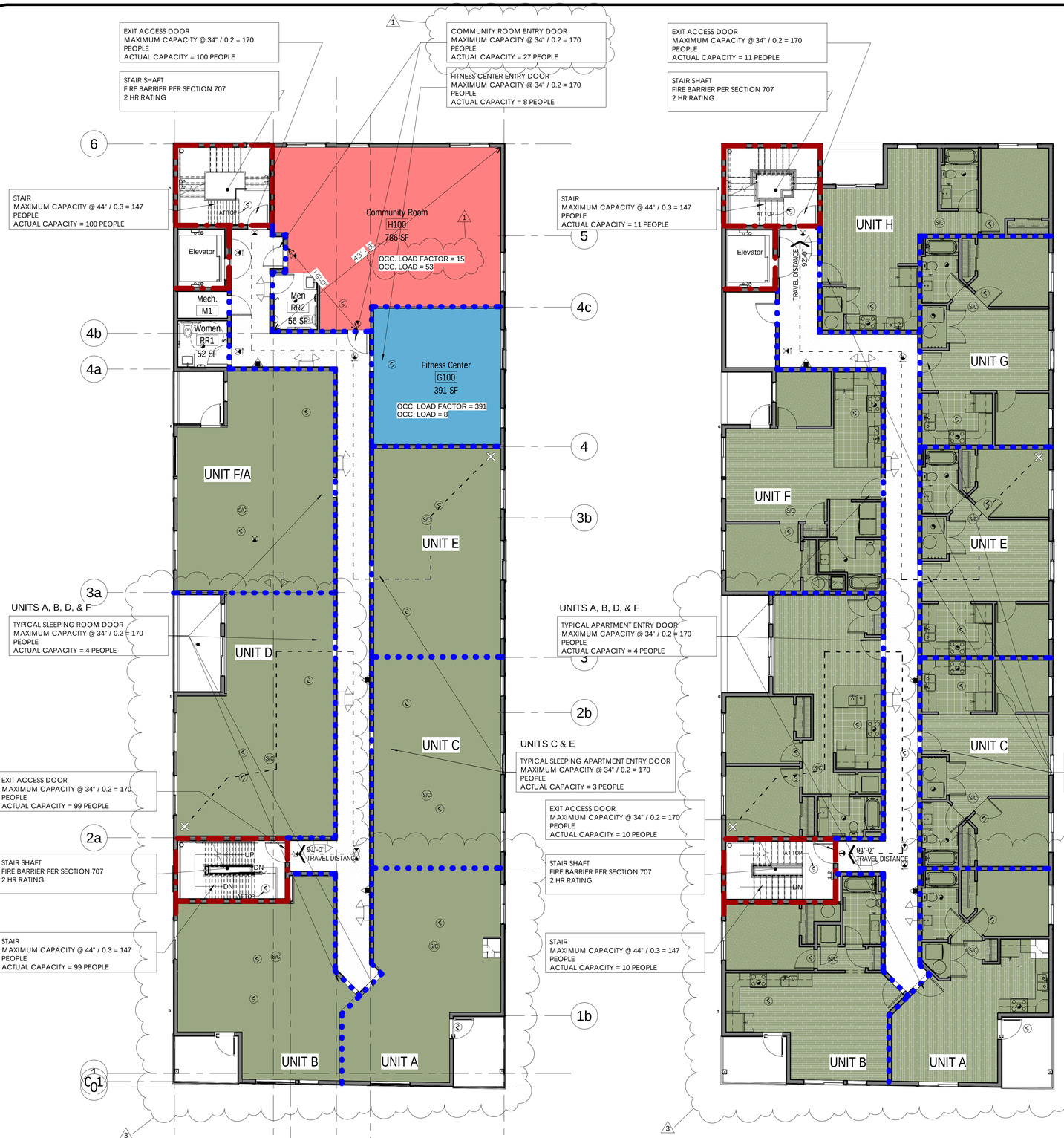
NO.	DATE	Revision Description
1	9/18/19	City Comments

TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

Barrier Free Details

PRINT DATE:
2/15/2021 12:46:24 PM

SHEET NO.
A010



2 LifeSafety-Level 2
1/8" = 1'-0"

3 LifeSafety-Levels 3-4
1/8" = 1'-0"

LIFE SAFETY SYMBOLS LEGEND

- TWO HOUR FIRE RESISTANCE RATED WALL
- ONE HOUR FIRE RESISTANCE RATED WALL
- MAXIMUM TRAVEL DISTANCE TO REACH EXIT
- COMMON PATH OF EGRESS TRAVEL
- MAXIMUM OVERALL DIAGONAL DISTANCE OF BUILDING
- SEPARATION DISTANCE OF EXIT ACCESS DOORS
- LOCATION OF MOST DISTANT OCCUPANT
- EXIT DISCHARGE
- CEILING MOUNTED ILLUMINATED EXIT SIGN
- SMOKE DETECTOR
  NOTE: SMOKE DETECTORS ARE REQUIRED TO BE MIN. 3FT. FROM BATHROOM DOORS.
- SC — COMBINATION SMOKE/CARBON MONOXIDE DETECTOR
- THERMAL DETECTOR
- MULTIPURPOSE DRY CHEMICAL EXTINGUISHER: 2-A:10-B:C
- SPECIAL PURPOSE KITCHEN FIRE EXTINGUISHER UL LISTED TO 711A AND MEETS NFPA 10

EGRESS COMPONENT IDENTIFIERS

- CP — COMMON PATH OF EGRESS TRAVEL
- EA — EXIT ACCESS TRAVEL DISTANCE

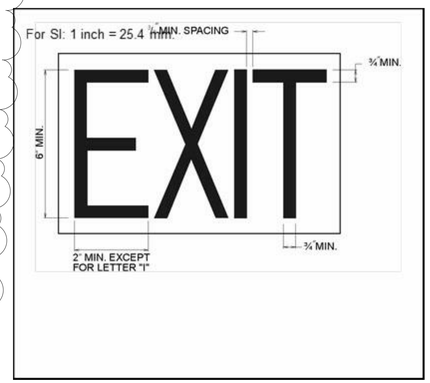
- PARKING S-2
- RESIDENTAL R-1
- RESIDENTIAL - ACCESSORY USE
- ASSEMBLY

[F] 907.2.11.3 Installation near cooking appliances. Smoke alarms shall not be installed in the following locations unless this would prevent placement of a smoke alarm in a location required by Section 907.2.11.1 or 907.2.11.2:

1. Ionization smoke alarms shall not be installed less than 20 feet (6096 mm) horizontally from a permanently installed cooking appliance.
2. Ionization smoke alarms with an alarm-silencing switch shall not be installed less than 10 feet (3048 mm) horizontally from a permanently installed cooking appliance.
3. Photoelectric smoke alarms shall not be installed less than 6 feet (1829 mm) horizontally from a permanently installed cooking appliance.

OCCUPANT LOAD CALCULATIONS

FUNCTION OF SPACE		AREA SQ. FT.	LOAD FACTOR SQ. FT./PERSON TABLE 1004.1.2	OCCUPANT LOAD
LEVEL 2				
RESIDENTIAL		4,060	200 GROSS	21
RESIDENTIAL - ACCESSORY USE		394	50 GROSS	8
ASSEMBLY		850	5 GROSS	170
TOTAL LEVEL 2				199
LEVEL 3				
RESIDENTIAL		5,268	200 GROSS	21
LEVEL 4				
RESIDENTIAL		5,268	200 GROSS	21
TOTAL OCCUPANT LOAD				241



LIFE SAFETY NOTES

1. SEE SHEET A003 FOR BUILDING CODE INFORMATION
2. ALL PENETRATIONS THROUGH DESIGNATED FIRE RATED FLOOR/CEILING OR WALL ASSEMBLIES SHALL BE SEALED WITH A UL CLASSIFIED THROUGH PENETRATION FIRE STOP SYSTEM THAT IS SUITABLE FOR THE PENETRATION CONDITION
3. ALL BEARING WALLS ARE REQUIRED BY CODE TO BE 1-HR RATED.
4. REFER TO STRUCTURAL DRAWINGS FOR BEARING WALLS.
5. REFER TO CONSTRUCTION ASSEMBLY SCHEDULES FOR FIRE RESISTANCE RATINGS AND ASSEMBLIES.
6. ALL CORRIDORS ARE TO BE 1 HR RATED MIN, UNO
7. PARTY WALLS BETWEEN UNITS TO BE 1 HOUR RATED MIN, UNO
8. FIRE EXTENGUISHERS SHALL BE IN RECESSED CABINETS. APPROXIMATE LOCATIONS ARE SHOWN ON THE LIFE SAFETY PLAN. FIRE EXTINGUISHER TYPES, LOCATIONS AND QUANTITIES SHALL BE VERIFIED AND INSTALLED BY A LICENSED PORTABLE FIRE EXTINGUISHER COMPANY IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS. ALL FIRE EXTINGUISHERS NOT LOCATED IN THE PATH OF EGRESS SHALL HAVE ADDITIONAL SIGNAGE LOCATED IN THE PATH OF EGRESS TRAVEL. SIGNAGE CHARACTERISTICS SHALL BE AS SUBMITTED BY THE G.C. AND APPROVED BY THE ARCHITECT.
9. EXIT SIGNS IN R2 AREAS ARE TO COMPLY WITH IBC 1013:

   A. ADDITIONAL LOW SIGNS ARE REQUIRED. THE BOTTOM SIGN SHALL NOT BE LESS THAN 10" NOR MORE THAN 12" ABOVE THE FLOOR LEVEL. THE SIGN SHALL BE FLUSH MOUNTED TO THE DOOR OR WALL. WHERE THE SIGN IS MOUNTED ON THE WALL, THE EDGE OF THE SIGN SHALL BE WITHIN 4" OF THE DOOR JAMB ON THE LATCH SIDE.

   B. ILLUMINATION: EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED. EXTERNALLY ILLUMINATED EXIT SIGNS SHALL COMPLY WITH SECTIONS 1013.6.1 THROUGH 1013.6.3.
10. EGRESS ILLUMINATION IS TO BE PROVIDED PER IBC 1008:

    A. THE ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOTCANDLE (11 LUX) AT THE WALKING SURFACE.

    B. A GENERATOR SHALL PROVIDE POWER FOR ILLUMINATION AT EXIT PASSAGEWAYS INCLUDING CORRIDORS, STAIRWAYS, AND INTERVENING ROOMS TO THE EXTERIOR OF THE BUILDING.

    C. THE GENERATOR SHALL PROVIDE POWER FOR A MINIMUM OF 90 MINUTES AND SHALL BE INSTALLED AS PER IBC 2702.
11. AUDIBLE AND VISIBLE ALARMS

    A. AUDIBLE ALARMS MUST BE PROVIDED TO SERVE ALL OCCUPIABLE AREAS WHERE A FIRE ALARM SYSTEM IS REQUIRED BY THE CODE.

    B. VISIBLE ALARMS MUST BE PROVIDED IN AREAS WHERE THE AMBIENT NOISE LEVEL IS SUCH THAT AUDIBLE ALARMS MAY NOT BE HEARD (SECTION 907.5.2.1.2). THE MAXIMUM SOUND PRESSURE FOR AUDIBLE ALARM NOTIFICATIONS IS 110 DBA.

    C. THE GENERAL ALARM NOTIFICATION MUST BE AUDIBLE WITHIN THE RESIDENTIAL UNITS. VISIBLE ALARM NOTIFICATION APPLIANCES ARE NOT REQUIRED WITHIN EACH UNIT, BUT VISIBLE NOTIFICATION CAN BE EASILY MADE AVAILABLE WHEN REQUESTED FOR PERSONS WITH HEARING IMPAIRMENTS. VIA THE SMOKE ALARMS WITHIN THEIR UNITS.

    D. SINGLE- OR MULTIPLE-STATION SMOKE ALARMS ARE REQUIRED WITHIN EACH SLEEPING ROOM, IMMEDIATELY OUTSIDE OF ALL SLEEPING ROOMS, AND ON EACH FLOOR LEVEL IN A SUITE OR DWELLING UNIT (SECTION 907.2.11.2). WHEN MULTIPLE SMOKE ALARMS ARE INSTALLED IN A UNIT, THEY MUST BE INTERCONNECTED (SECTION 907.2.11.5).

    E. N GROUP R-2 FACILITIES, WHEN A BUILDING EVACUATION ALARM SYSTEM IS INSTALLED, A WIRE FROM THE GENERAL SYSTEM MUST BE PROVIDED TO ONE OF THE SMOKE DETECTORS IN THE UNIT (SECTION 907.5.2.3.3 AND ICC/ANSI A117.1, STANDARD ON ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, SECTION 1006.4).

1 Life Safety
12" = 1'-0"

REGISTERED ARCHITECT
7227
DALE SWEENEY
STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/(S): _____

REVISIONS

NO.	DATE	Revision Description
1	9/18/19	City Comments
2	1/15/21	City Comments
3		

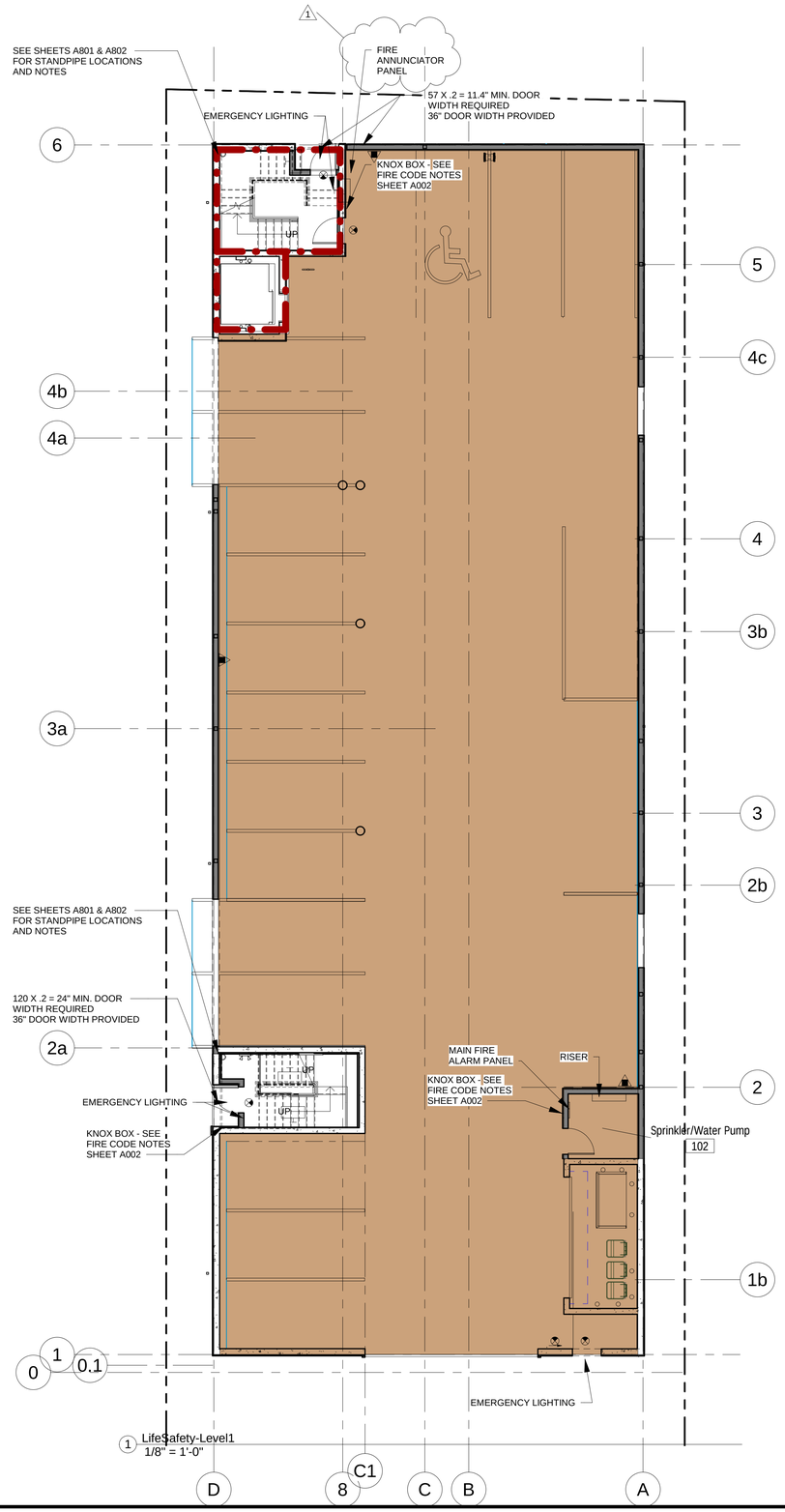
TP HOME 22 UNIT APTS. 2152

TP Home LLC
2152 N 185TH ST.

LIFE SAFETY PLANS LEVELS 2-4

PRINT DATE:
2/15/2021 12:46:36 PM

SHEET NO.
A020



REGISTERED ARCHITECT
7227
DALE SWEENEY
STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
RVSD:

REVISIONS

NO.	DATE	Revision Description
1	9/18/19	City Comments

TP HOME 22 UNIT APTS. 2152

TP Home LLC
2152 N 185TH ST.

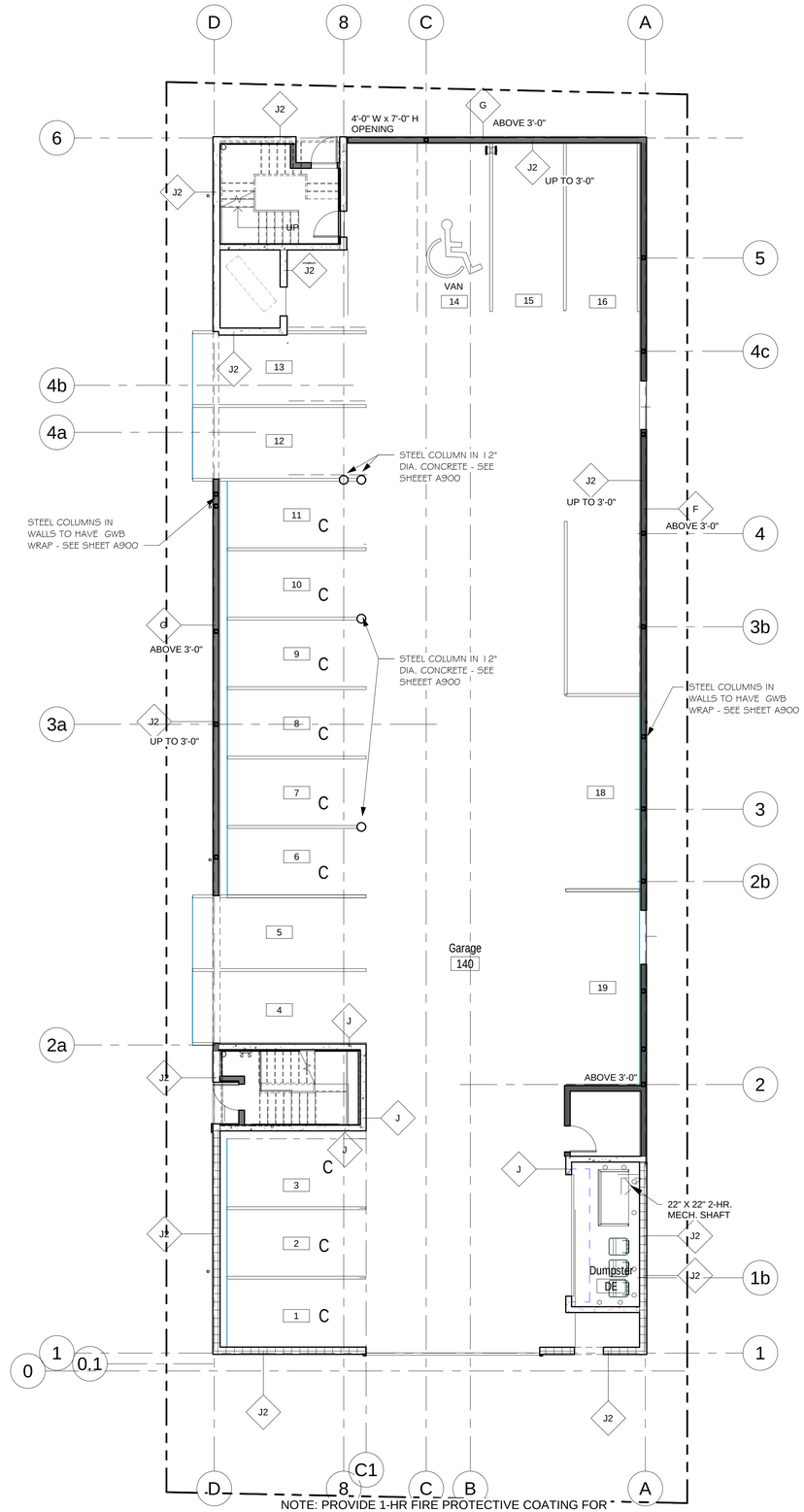
LIFE SAFETY PLAN LEVEL 1

PRINT DATE:
2/15/2021 12:46:37 PM

SHEET NO.
A021

WALL TYPE LEGEND

- A1 - WOOD FURRING - NON-RATED
- A2 - WOOD FURRING w/2" RIGID INSULATION - NON-RATED
- B1 - 2" MTL. FURRING - NON-RATED
- B2 - 2" MTL. FURRING w/2" RIGID INSULATION - NON-RATED
- C1 - 2 X 4 WOOD FRAMING - 1-HR
- C2 - 2 X 6 WOOD FRAMING - 1-HR
- D - 2 X 6 WOOD FRAMING - 1-HR
- E1 - 2 X 6 WOOD FRAMING w/INSUL. - 2-HR
- E2 - 2 X 6 WOOD FRAMING - NO INSUL. - 2-HR
- E3 - 2 X 4 WOOD FRAMING - NO INSUL. - 2-HR
- E4 - 2 X 8 WOOD FRAMING w/INSUL. - 2-HR
- F - EXTERIOR 2 X 6 w/INSUL. - 1-HR
- G - EXTERIOR 2 X 6 - NO INSUL. - 1-HR
- H - EXTERIOR WOOD FRAMING w/INSUL. - 2-HR.
- J - CONCRETE - 1-HR+
- J2 - CONCRETE w/EXTERIOR PANELING OR STONE VENEER - 1-HR+
- K - 2 X 4 STAGGERED STUDS ON 2 X 6 PLATES - 1-HR



NOTE: PROVIDE 1-HR FIRE PROTECTIVE COATING FOR ANY STEEL BEAM, STEEL COLUMN, OR PORTION OF STEEL COLUMN NOT PROTECTED WITH CONCRETE OR GWB WRAP AS PER COL. A & COL. B SHEET A900

2 LEVEL 1 WALL TYPES PLAN
1/8" = 1'-0"

DALE SWEENEY REGISTERED ARCHITECT 7227 STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/(S): _____

REVISIONS
NO. DATE Revision Description

TP HOME 22 UNIT APTS. 2152

TP Home LLC
2152 N 185TH ST.

LEVEL1 WALL TYPES PLAN

PRINT DATE:
2/15/2021 12:46:38 PM

SHEET NO.
A030

WALL TYPE LEGEND

- A1 - WOOD FURRING - NON-RATED
- A2 - WOOD FURRING w/2" RIGID INSULATION - NON-RATED
- B1 - 2" MTL. FURRING - NON-RATED
- B2 - 2" MTL. FURRING w/2" RIGID INSULATION - NON-RATED
- C1 - 2 X 4 WOOD FRAMING - 1-HR
- C2 - 2 X 6 WOOD FRAMING - 1-HR
- D - 2 X 6 WOOD FRAMING - 1-HR
- E1 - 2 X 6 WOOD FRAMING w/INSUL. - 2-HR
- E2 - 2 X 6 WOOD FRAMING - NO INSUL. - 2-HR
- E3 - 2 X 4 WOOD FRAMING - NO INSUL. - 2-HR
- E4 - 2 X 8 WOOD FRAMING w/INSUL. - 2-HR
- F - EXTERIOR 2 X 6 w/INSUL. - 1-HR
- G - EXTERIOR 2 X 6 - NO INSUL. - 1-HR
- H - EXTERIOR WOOD FRAMING w/INSUL. - 2-HR.
- J - CONCRETE - 1-HR+
- J2 - CONCRETE w/EXTERIOR PANELING OR STONE VENEER - 1-HR+
- K - 2 X 4 STAGGERED STUDS ON 2 X 6 PLATES - 1-HR

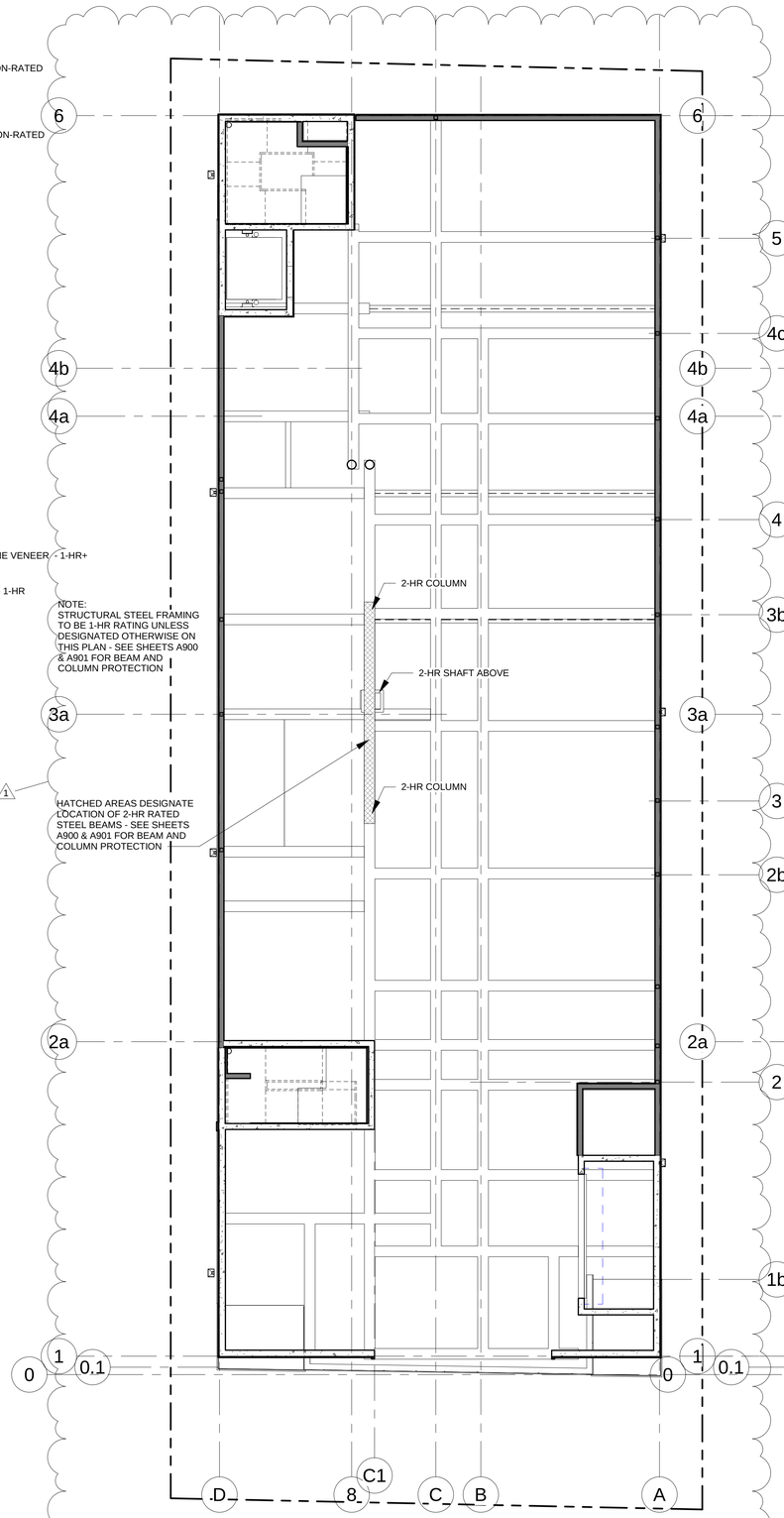
NOTE:
STRUCTURAL STEEL FRAMING TO BE 1-HR RATING UNLESS DESIGNATED OTHERWISE ON THIS PLAN - SEE SHEETS A900 & A901 FOR BEAM AND COLUMN PROTECTION

2-HR COLUMN

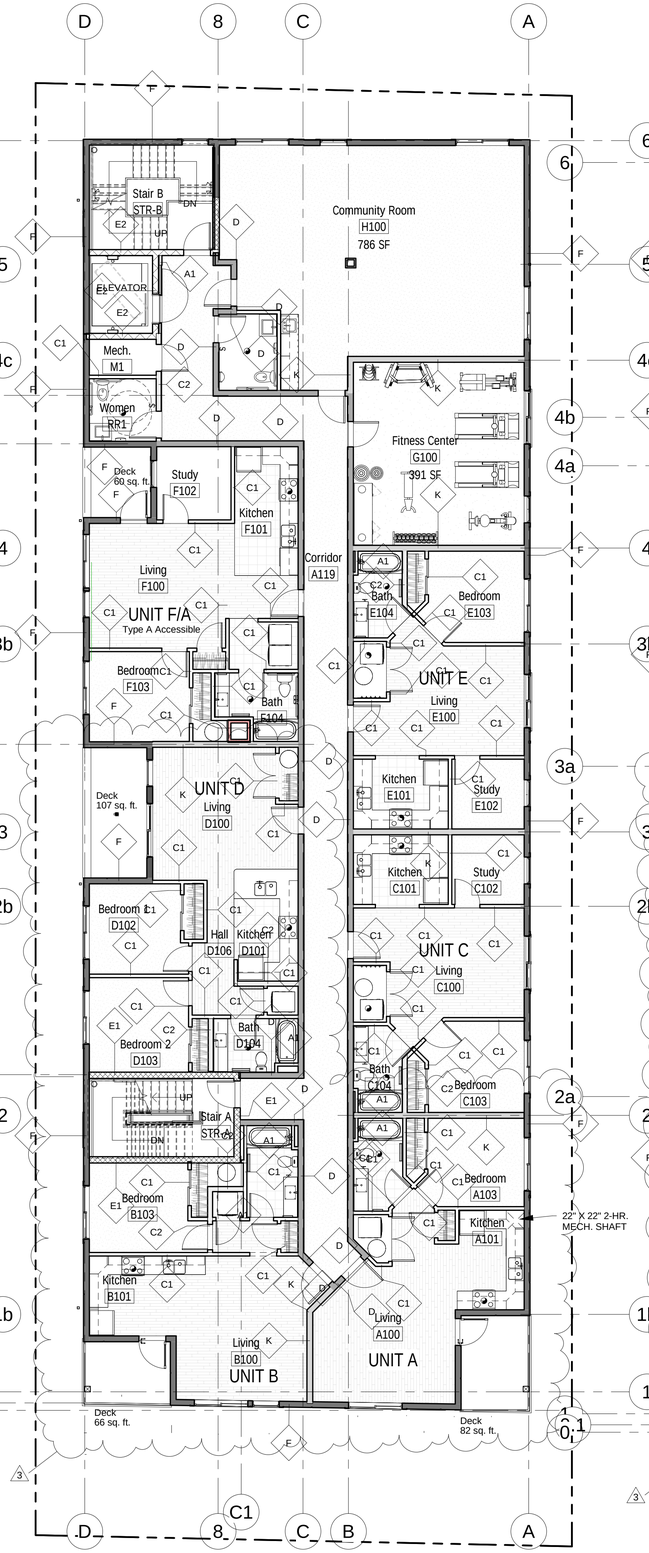
2-HR SHAFT ABOVE

2-HR COLUMN

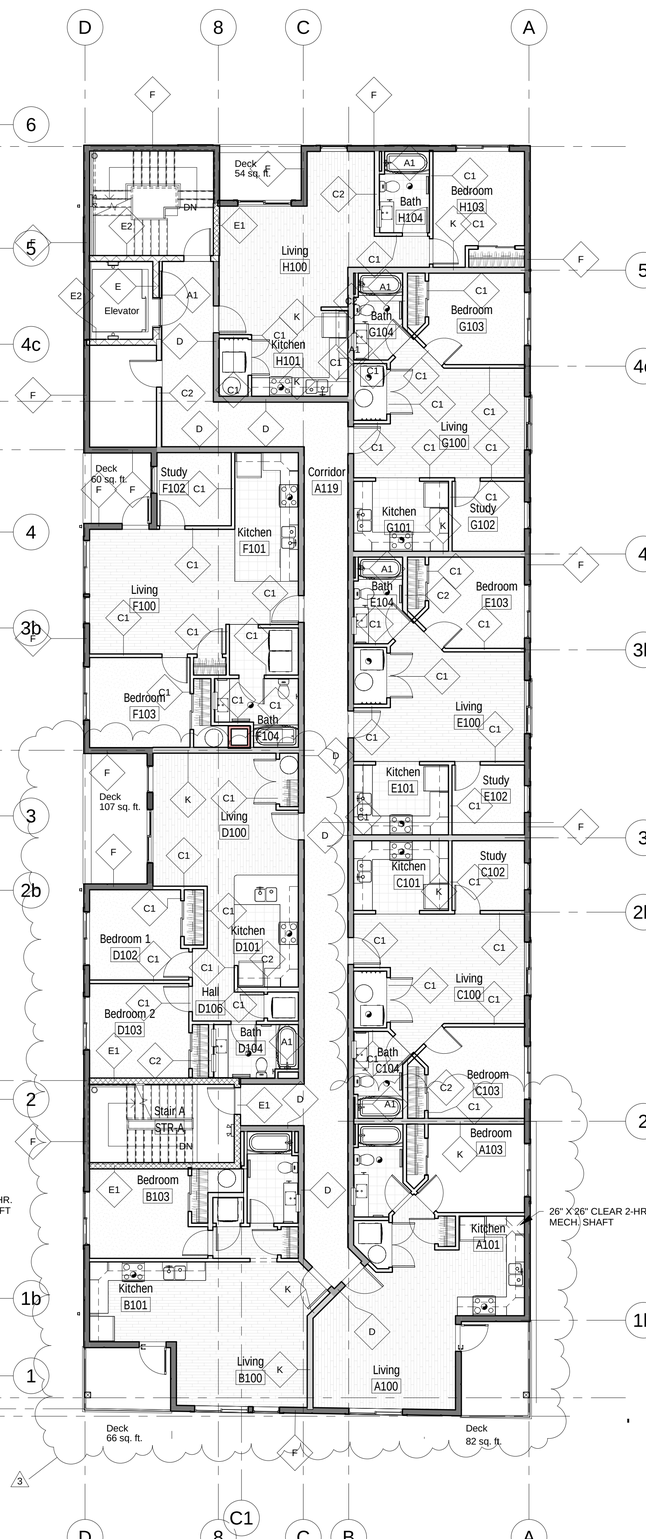
1 HATCHED AREAS DESIGNATE LOCATION OF 2-HR RATED STEEL BEAMS - SEE SHEETS A900 & A901 FOR BEAM AND COLUMN PROTECTION



3 LEVEL 1 REFLECTED CEILING PLAN - BEAM LAYOUT
SCALE: 1/8" = 1'-0"



1 Level 2 Wall Types Plan
SCALE: 1/8" = 1'-0"



2 Level 3,4 Wall Types Plan
SCALE: 1/8" = 1'-0"

REGISTERED ARCHITECT
7227
DALE SWEENEY
STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/SD:

REVISIONS

NO.	DATE	Revision Description
1	8/8/19	City Comments
3	1/15/21	City Comments

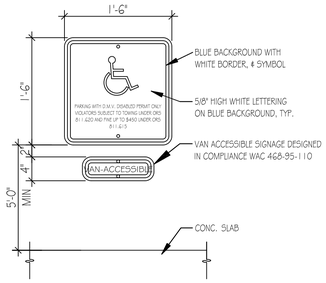
TP HOME 22 UNIT APTS. 2152

TP Home LLC
2152 N 185TH ST.

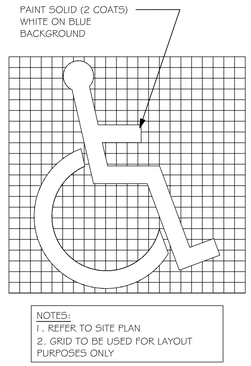
LEVELS 2-4 WALL TYPES PLANS

PRINT DATE:
2/15/2021 12:46:46 PM

SHEET NO.
A031

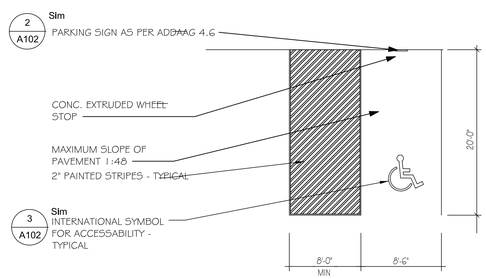


HANDICAP / VAN ACCESSIBLE SIGN - WALL MOUNTED
② DETAIL1
1" = 1'-0"



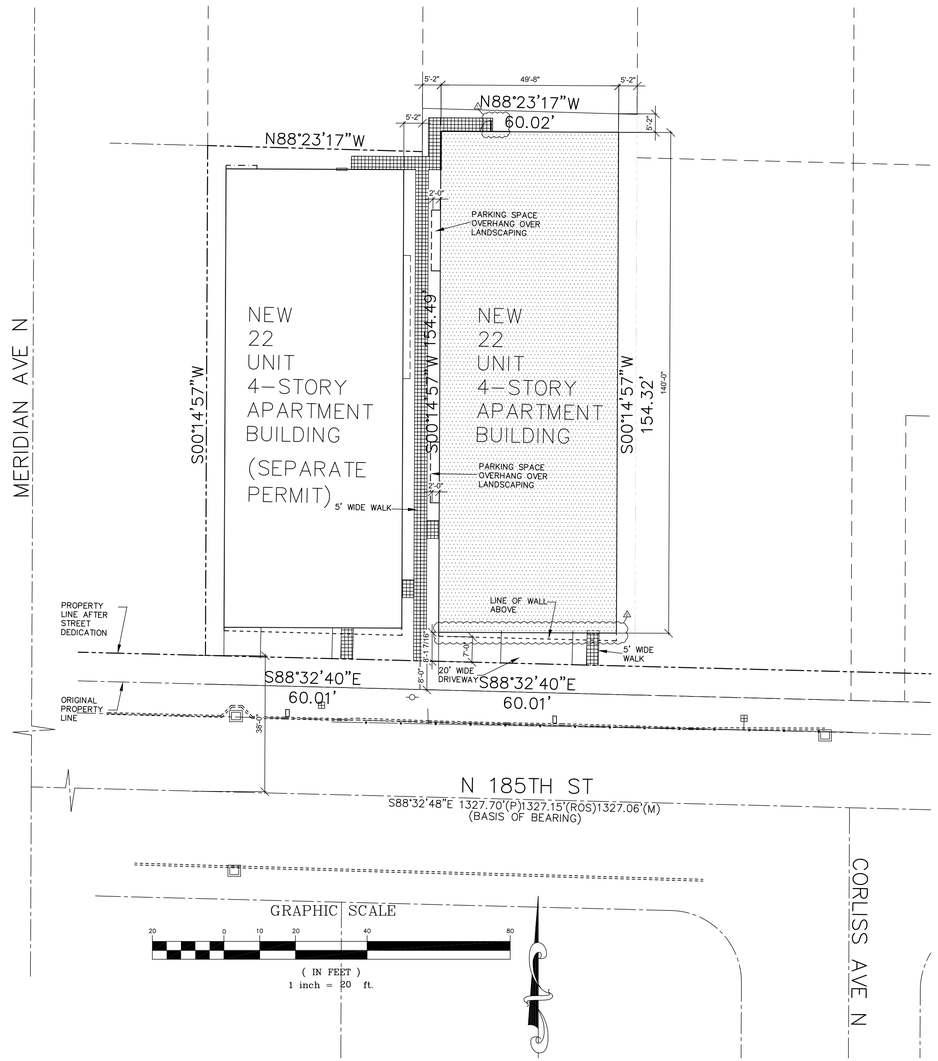
NOTES:
1. REFER TO SITE PLAN
2. GRID TO BE USED FOR LAYOUT PURPOSES ONLY

③ HANDICAP SYMBOL1
3/4" = 1'-0"



NOTE: EXTERIOR CURB AND SIDEWALK RAMPS AND ENTRANCES TO COMPLY WITH ADAAG 4.6, 4.7 AND 4.8

④ HANDICAP PARKING
1/8" = 1'-0"



① SITE PLAN
1" = 20'-0"

SITE AREA - 9,263 SQ. FT.
BUILDING FOOTPRINT - 7,035 SQ. FT
LOT COVERAGE = 76.0%

7227 REGISTERED ARCHITECT
DALE SWEENEY STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO:
DATE:
DWN. BY:
CHKD.BY:
RNSD:

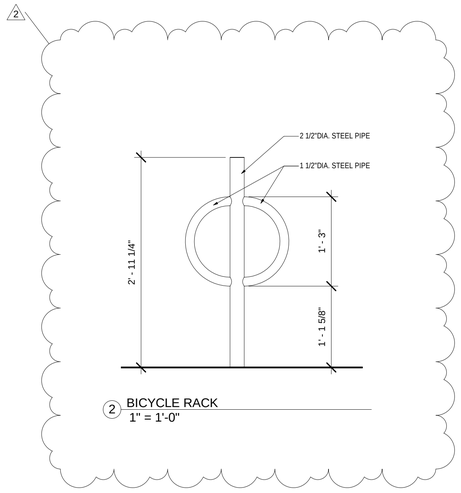
REVISIONS

NO.	DATE	Revision Description
3	1/12/2021	City Comments - Setbacks

SITE PLAN

PRINT DATE:

SHEET NO.
A102



2 BICYCLE RACK
1" = 1'-0"

GENERAL GUESTROOM FLOOR PLAN NOTES:

1. DIMENSIONS ARE TO THE FACE OF STUD (F. O.S.) FACE OF CONCRETE (F.O.C.), FACE OF POST (F.O.P.) OR CENTERLINE OF PARTY WALLS, CENTERLINE OF DOORS, AND CENTERLINE OF WINDOWS U.N.O. VERIFY ALL DIMENSIONS.

2. WALL CONSTRUCTION:
TYPE VA: EXTERIOR WALLS TO BE 2X6 WOOD STUDS TYP. (U.N.O.), INTERIOR WALLS TO BE 2X WOOD STUDS AS SCHEDULED.

3. FOR FLOOR/CEILING AND ROOF/CEILING TYPES AND ASSEMBLIES, SEE SHEETS A900 & A901

4. FLOOR AND ROOF ASSEMBLIES TO BE OF 1 HOUR FIRE RATED COSNTRUCTION TYP. (U.N.O.)

5. FOR PLATE HEIGHTS REFER TO SECTIONS.

6. FOR DOOR HEAD HEIGHTS SEE DOOR SCHEDULE.

7. FOR WINDOW HEAD/SILL HEIGHTS SEE WINDOW SCHEDULE.

8. AT TUBS AND SHOWERS, EXTEND TYPE 'X' GWB TO BASE PLATE, TO ACHIEVE FIRE RATING USE WR GWB OVER SUCH TYPE 'X' LAYER AS REQUIRED.

9. ALL 2'-10" DOORS SHOWN IN TYPE 'A' UNITS SHALL MAINTAIN 2'-8" CLEAR MINIMUM OPENING WHEN DOOR IS OPEN IN THE 90 DEGREE POSITION PER ICC/ ANSI A117.1, SECTION 404.2.2.

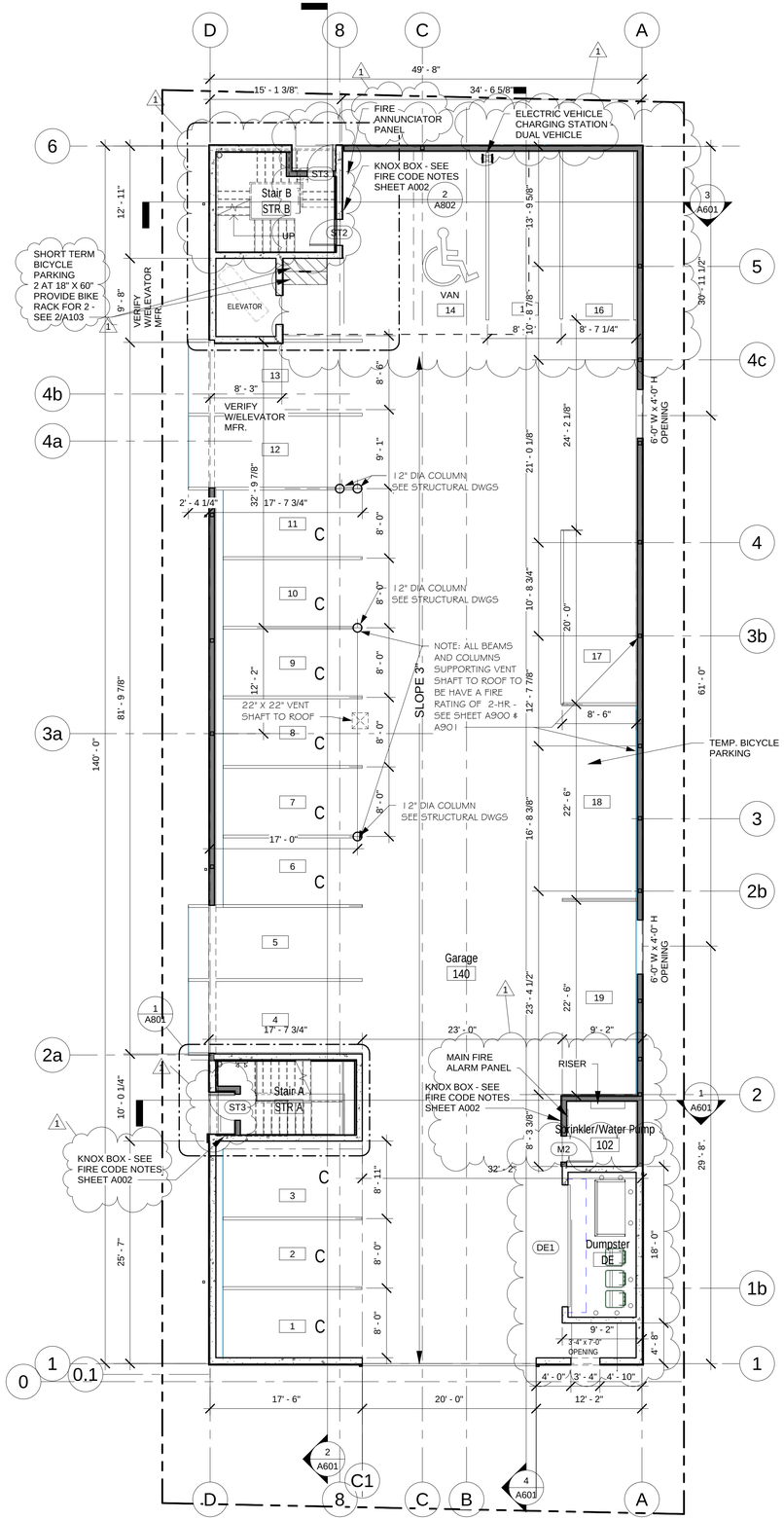
10. REINFORCEMENT SHALL BE PROVIDED FOR THE FUTURE INSTALLATION OF GRAB BARS AND SHOWER SEATS AT WATER CLOSETS, BATHTUBS, AND SHOWER COMPARTMENTS PER ICC/ANSI A117.1 SEC. 1003.11.4 AND 1004.11.2

11. SEE A007 - A010 FOR BARRIER-FREE REQUIREMENTS FOR COUNTERS, WORKSURFACES, BATHROOMS ETC. TYPE 'A' DWELLING UNITS.

FLOOR PLAN

- X — SEE WALL TYPES - SHEET A030, A031, A900
- X — SEE DOOR SCHEDULE - SHEET A601 (FOR ADDITIONAL DOOR TAGS SEE THE ENLARGED PLANS)
- 1 — SEE WINDOW SCHEDULE - SHEET A601 (FOR ADDITIONAL WINDOW TAGS SEE THE ENLARGED PLANS)
- EXIT SIGN PER I.B.C. 1011 SEE A008
- FIRE ALARM PULL STATION (FAPS) @ 120'-0"
- FE-# FIRE EXTINGUISHER CABINET @ 75'-0" O.C.

SEE SHEETS A007, A008, A009, A010 FOR BARRIER FREE NOTES AND DIAGRAMS. SEE ID SHEETS FOR BARRIER FREE FIXTURES AND CLEARANCES IN GUESTROOMS



1 LEVEL 1 - GARAGE
1/8" = 1'-0"

REGISTERED ARCHITECT
7227
DALE SWEENEY
STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

REVISIONS

NO.	DATE	Revision Description
1	9/18/19	City Comments
2	4/28/20	City Comments

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/S/D:

TP HOME 22 UNIT APTS. 2152

TP Home LLC
2152 N 185TH ST.

GARAGE LEVEL

PRINT DATE:
2/15/2021 12:46:47 PM

SHEET NO.
A103

GENERAL GUESTROOM FLOOR PLAN NOTES:

1. DIMENSIONS ARE TO THE FACE OF STUD (F. O.S.) FACE OF CONCRETE (F.O.C.), FACE OF POST (F.O.P.) OR CENTERLINE OF PARTY WALLS, CENTERLINE OF DOORS, AND CENTERLINE OF WINDOWS U.N.O. VERIFY ALL DIMENSIONS.

2. WALL CONSTRUCTION:
TYPE VA: EXTERIOR WALLS TO BE 2X6 WOOD STUDS TYP. (U.N.O.), INTERIOR WALLS TO BE 2X WOOD STUDS AS SCHEDULED.

3. FOR FLOOR/CEILING AND ROOF/CEILING TYPES AND ASSEMBLIES, SEE SHEETS A900 & A901

4. FLOOR AND ROOF ASSEMBLIES TO BE OF 1 HOUR FIRE RATED COSNTRUCTION TYP. (U.N.O.)

5. FOR PLATE HEIGHTS REFER TO SECTIONS.

6. FOR DOOR HEAD HEIGHTS SEE DOOR SCHEDULE.

7. FOR WINDOW HEAD/SILL HEIGHTS SEE WINDOW SCHEDULE.

8. AT TUBS AND SHOWERS, EXTEND TYPE 'X' GWB TO BASE PLATE, TO ACHIEVE FIRE RATING USE WR GWB OVER SUCH TYPE 'X' LAYER AS REQUIRED.

9. ALL 2'-10" DOORS SHOWN IN TYPE 'A' UNITS SHALL MAINTAIN 2'-8" CLEAR MINIMUM OPENING WHEN DOOR IS OPEN IN THE 90 DEGREE POSITION PER ICC/ ANSI A117.1, SECTION 404.2.2.

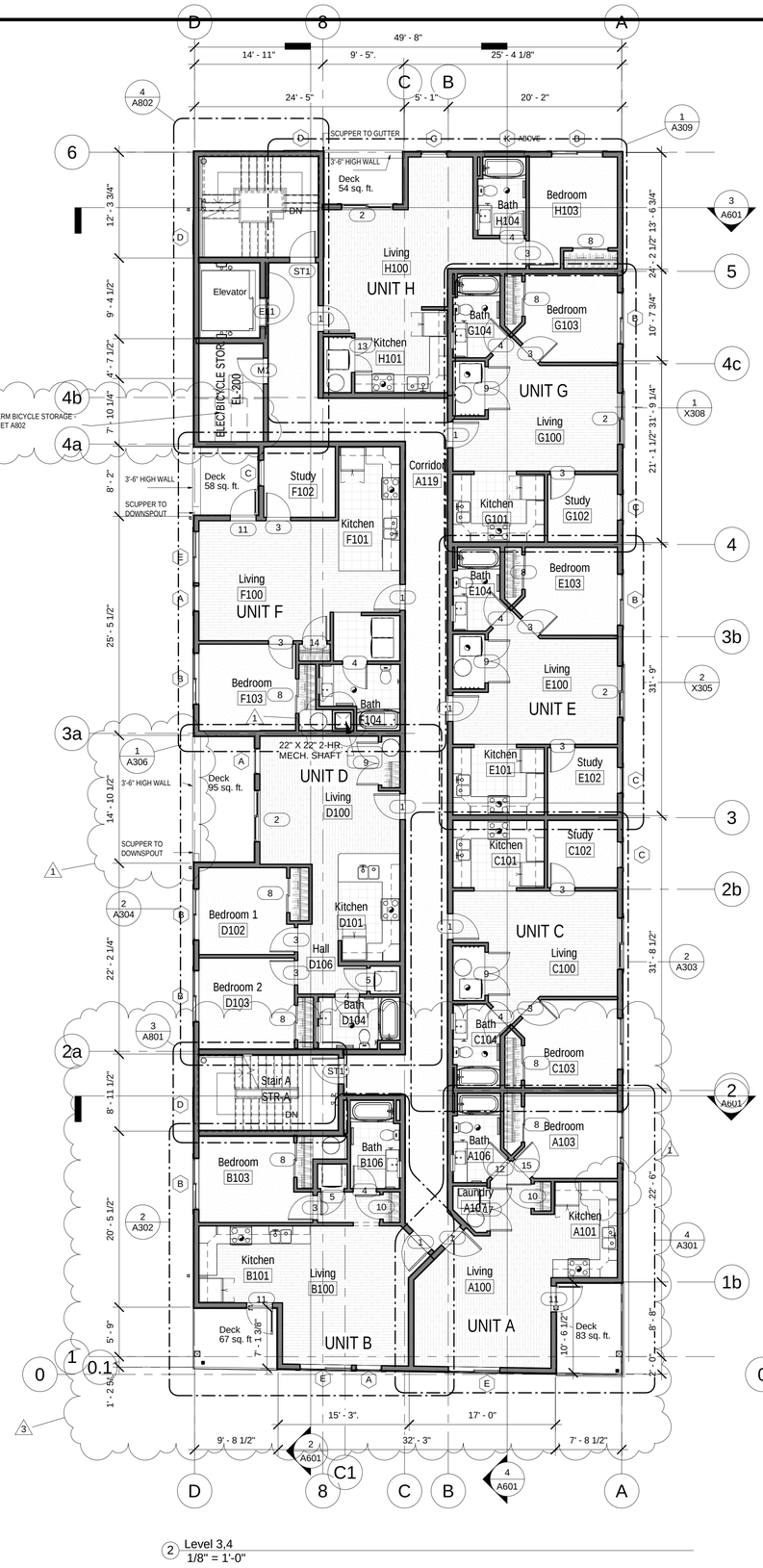
10. REINFORCEMENT SHALL BE PROVIDED FOR THE FUTURE INSTALLATION OF GRAB BARS AND SHOWER SEATS AT WATER CLOSETS, BATHTUBS, AND SHOWER COMPARTMENTS PER ICC/ANSI A117.1 SEC. 1003.11.4 AND 1004.11.2

11. SEE A007 - A010 FOR BARRIER-FREE REQUIREMENTS FOR COUNTERS, WORKSURFACES, BATHROOMS ETC. TYPE 'A' DWELLING UNITS.

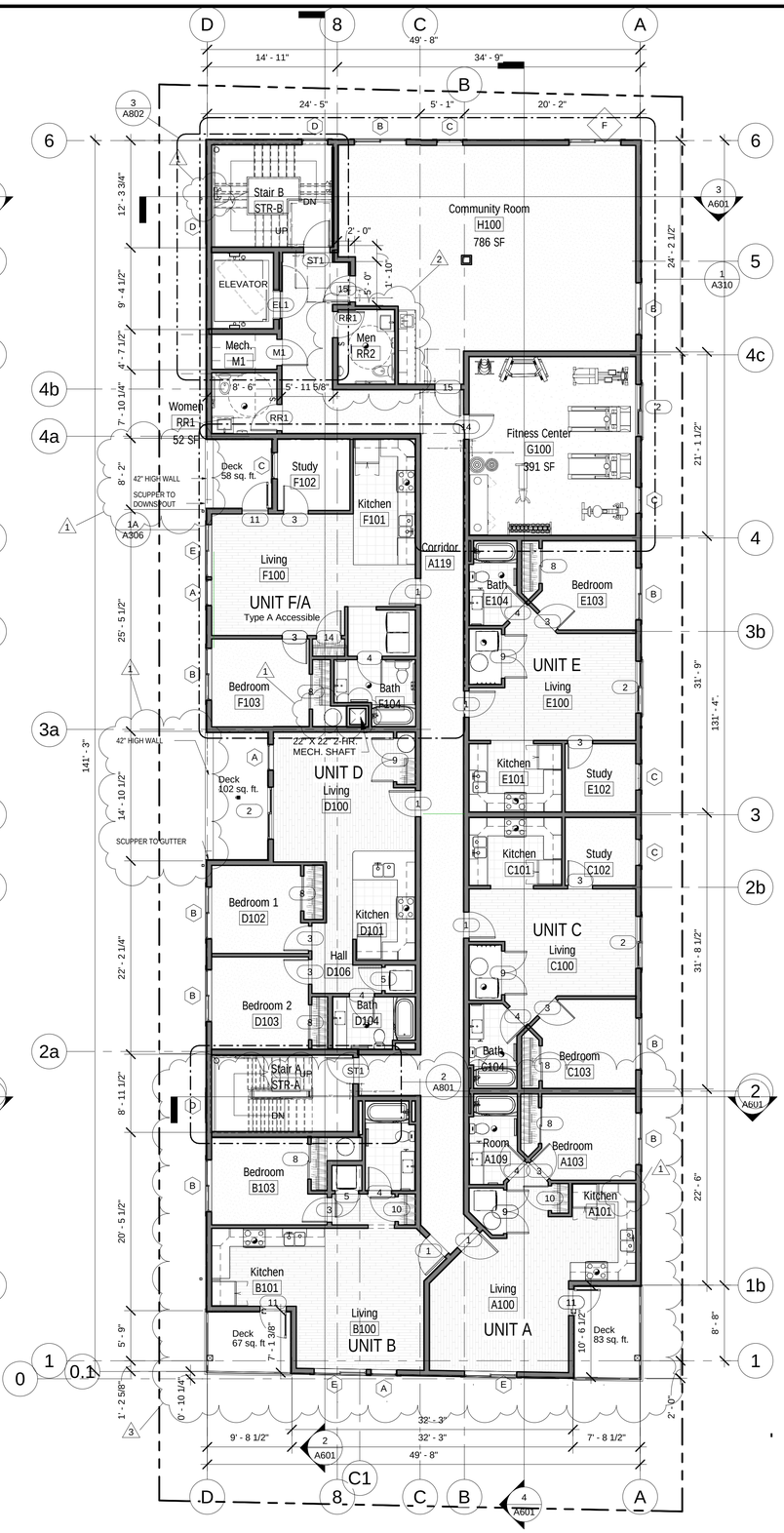
FLOOR PLAN

- X — SEE WALL TYPES - SHEET A030, A031, A900
- X — SEE DOOR SCHEDULE - SHEET A601 (FOR ADDITIONAL DOOR TAGS SEE THE ENLARGED PLANS)
- 1 — SEE WINDOW SCHEDULE - SHEET A601 (FOR ADDITIONAL WINDOW TAGS SEE THE ENLARGED PLANS)
- EXIT SIGN PER I.B.C. 1011 SEE A008
- FIRE ALARM PULL STATION (FAPS) @ 120'-0"
- FE-# — FIRE EXTINGUISHER CABINET @ 75'-0" O.C.

SEE SHEETS A007, A008, A009, A010 FOR BARRIER FREE NOTES AND DIAGRAMS. SEE ID SHEETS FOR BARRIER FREE FIXTURES AND CLEARANCES IN GUESTROOMS



2 Level 3,4
1/8" = 1'-0"



1 Level 2
1/8" = 1'-0"

REGISTERED ARCHITECT 7227 DALE SWEENEY STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
RVSD:

REVISIONS

NO.	DATE	Revision Description
1	9/18/19	City Comments
2	4/28/20	City Comments
3	1/15/21	City Comments

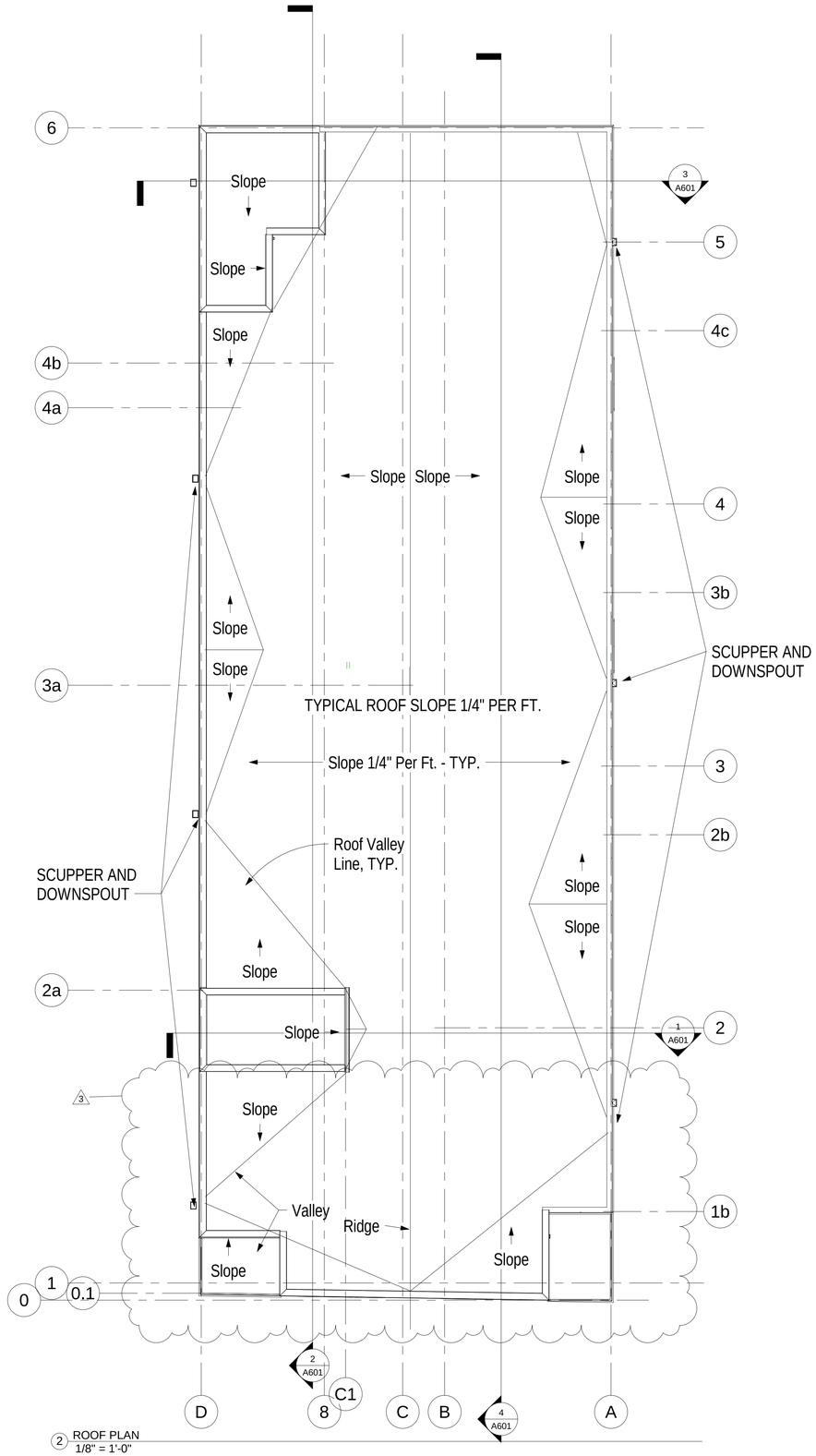
TP HOME 22 UNIT APTS. 2152

TP Home LLC
2152 N 185TH ST.

FLOOR PLANS LEVELS 2,3, & 4

PRINT DATE:
2/15/2021 12:46:53 PM

SHEET NO.
A104



2 ROOF PLAN
1/8" = 1'-0"

ROOF PLAN NOTES

1. GENERAL CONTRACTOR TO INSTALL AND SEAL ROOF PENETRATIONS, CURBS AND SLEEPERS.

2. HVAC VENDOR TO PROVIDE ROOF CURBS AND VENDOR IS RESPONSIBLE FOR PROVISION/ COORDINATION OF ROOF PENETRATIONS REQUIRED FOR EQUIPMENT INSTALLATION.

3. FLASH PLUMBING VENT AND ELECTRICAL PIPES, SEE SHEET A901. SEE MECH. AND ELEC. DWGS. FOR LOCATIONS.

4. COORDINATE SIZE AND LOCATION OF SATELLITE DISH PROVIDED BY AV CONTRACTOR. COORDINATE LOADS AND REACTIONS WITH JOIST MANUFACTURER. GC TO PROVIDE SUPPORT LEGS/BLOCKING.

5. NEW ROOF MEMBRANE TO BE INSTALLED BY MANUFACTURER APPROVED LICENSED ROOFING CONTRACTOR. REFER TO DETAILS AS INDICATED ON THIS AND OTHER SHEETS.

6. GC TO PROVIDE POWER AND BLOCKING FOR ALL BUILDING SIGNAGE. COORDINATE WITH SIGN VENDOR.

7. SEE SHEETS A901 & A904 FOR ROOF DETAILS.

REGISTERED ARCHITECT
7227
DALE SWEENEY
STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/VSD:

REVISIONS

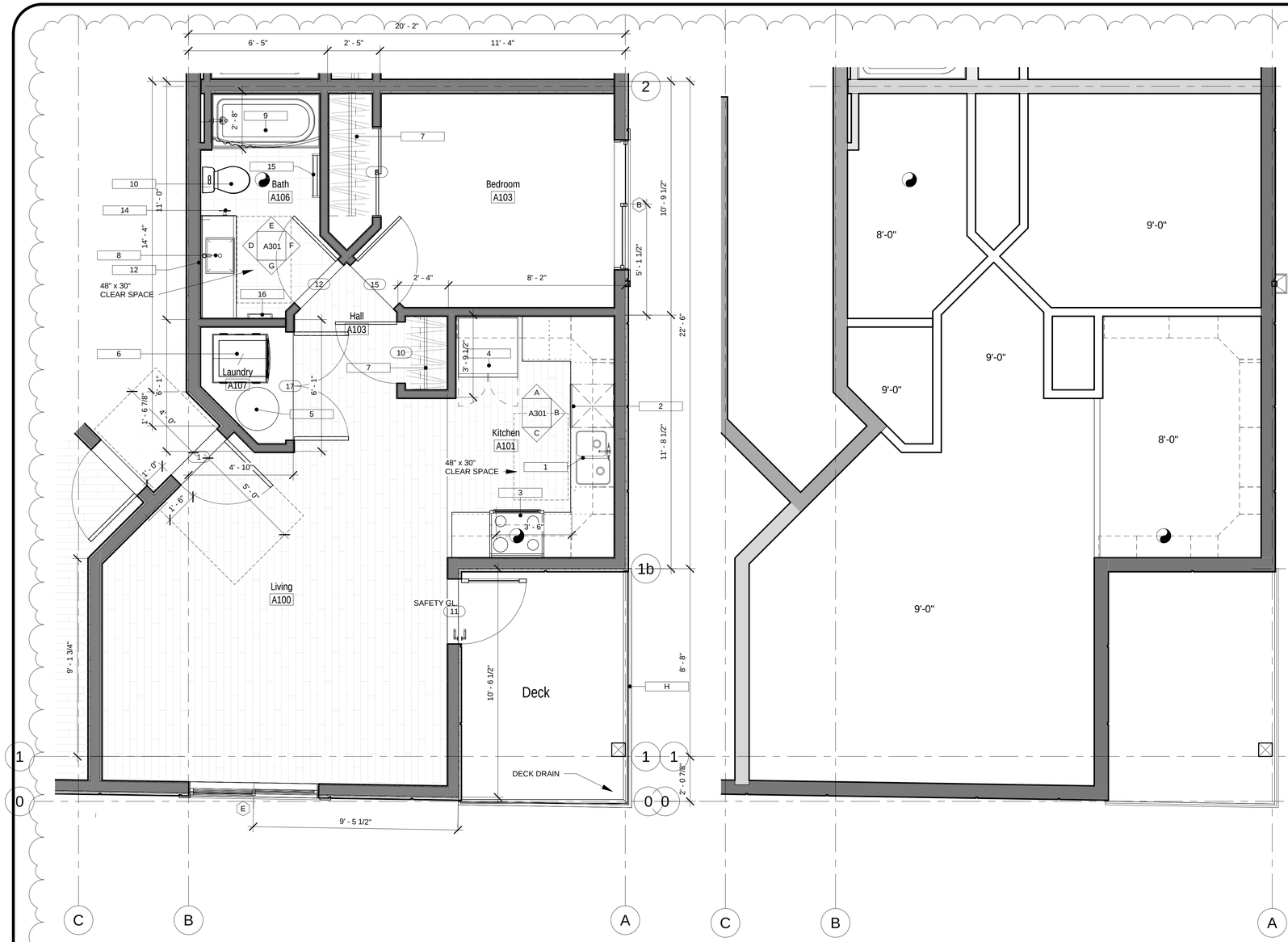
NO.	DATE	Revision Description
3	1/15/21	City Comments

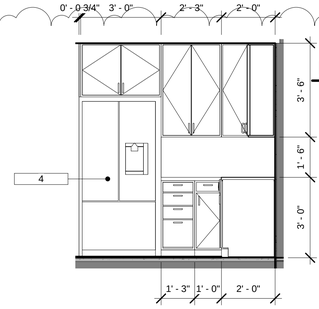
TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

ROOF PLAN

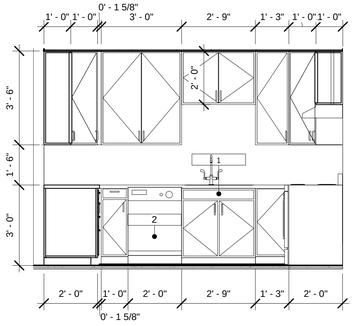
PRINT DATE:
2/15/2021 12:46:54 PM

SHEET NO.
A109

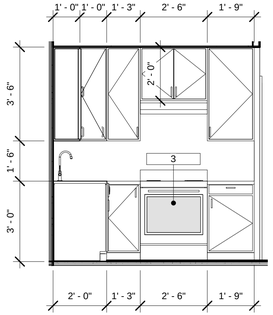




A Unit A - Kitchen North
3/8" = 1'-0"



B Unit A - Kitchen East
3/8" = 1'-0"

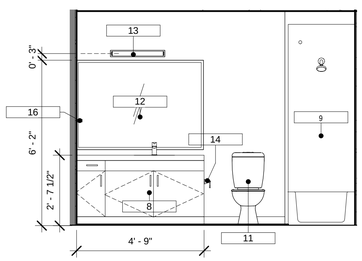


C Unit A - Kitchen South
3/8" = 1'-0"

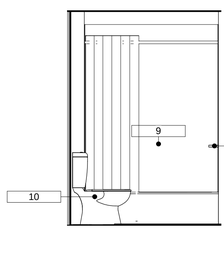
PLAN NOTES

1. SEE INDIVIDUAL UNIT FLOOR PLANS IN SECTION A3 FOR DETAILED INFORMATION. (DIMENSIONS, CONSTRUCTION, DOOR/WINDOW, ETC.)
2. SEE ENLARGED STAIR/ELEVATOR SHEETS A801 & A802 FOR DETAILED INFORMATION .
3. PROPERTY LINES SHOWN FOR GENERAL INFORMATION ONLY. SEE SITE PLAN IN SECTION A1 FOR PLACEMENT OF BUILDING.
4. SEE SITE PLAN IN SECTION A100 FOR DETAILED INFORMATION OR SITE FEATURES.
5. THE BUILDING IS TO BE FIRE SPRINKLERED THROUGHOUT,
6. FIRE EXTINGUISHERS ARE TO BE LOCATED NO MORE THAN 75 FT OF TRAVEL TO THE NEAREST EXTINGUISHER. EXTINGUISHERS TO COMPLY WITH IFC 2009 906.1, BMC 20.08.22 AND NFPA 10.
7. FIRE EXTINGUISHER BOXES TO BE SURFACE MOUNT AT GARAGE COLUMNS/CONCRETE WALLS, ELSE SEMI-RECESSED WITH 4" MAX. PROTRUSION. BASE OF CABINET TO BE 27" MIN. A.F.F.
8. AUDIBLE AND VISIBLE ALARMS
   VISIBLE AND AUDIBLE NOTIFICATION DEVICES, SMOKE ALARMS AND EMERGENCY VOICE/ALARM COMMUNICATION SYSTEMS. AUDIBLE ALARMS (SECTION 907) MUST BE PROVIDED TO SERVE ALL OCCUPIABLE AREAS WHERE A FIRE ALARM SYSTEM IS REQUIRED BY THE CODE.
   VISIBLE ALARMS MUST BE PROVIDED IN AREAS WHERE THE AMBIENT NOISE LEVEL IS SUCH THAT AUDIBLE ALARMS MAY NOT BE HEARD (SECTION 907.5.2.1.2).
9. VISIBLE ALARMS ARE REQUIRED IN ALL PUBLIC-USE AND ALL COMMON-USE AREAS TO ALERTPEOPLE WITH HEARING IMPAIRMENTS (SECTION 907.5.2.3.1)
10. GROUP R-2 RESIDENTIAL BUILDINGS (SECTION 907.5.2.3.3). WHEN A BUILDING IS REQUIRED TO HAVE A GENERAL EVACUATION ALARM, PUBLIC AREAS ROOMS ARE REQUIRED TO HAVE VISIBLE AND AUDIBLE ALARMS. THE GENERAL ALARM NOTIFICATION MUST BE AUDIBLE WITHIN THE RESIDENTIAL UNITS. VISIBLE ALARM NOTIFICATION APPLIANCES ARE NOT REQUIRED WITHIN EACH UNIT, BUT VISIBLE NOTIFICATION CAN BE EASILY MADE AVAILABLE WHEN REQUESTED FOR PERSONS WITH HEARING IMPAIRMENTS, VIA THE SMOKE ALARMS WITHIN THEIR UNITS.
11. SINGLE- OR MULTIPLE-STATION SMOKE ALARMS ARE REQUIRED WITHIN EACH SLEEPING ROOM, IMMEDIATELY OUTSIDE OF ALL SLEEPING ROOMS, AND ON EACH FLOOR LEVEL IN A SUITE OR DWELLING UNIT (SECTION 907.2.11.2).
12. WHEN MULTIPLE SMOKE ALARMS ARE INSTALLED IN A UNIT, THEY MUST BE INTERCONNECTED (SECTION 907.2.11.5). IN GROUP R-2 FACILITIES, WHEN A BUILDING EVACUATION ALARM SYSTEM IS INSTALLED, A WIRE FROM THE GENERAL SYSTEM MUST BE PROVIDED TO ONE OF THE SMOKE DETECTORS IN THE UNIT (SECTION 907.5.2.3.3 AND ICC/ANSI A117.1, STANDARD ON ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, SECTION 1006.4).
13. WHEN A PERSON WITH A HEARING IMPAIRMENT WANTS VISIBLE NOTIFICATION IN THEIR APARTMENT, IT IS EASY TO SWITCH OUT THE TYPICAL AUDIBLE SMOKE DETECTORS FOR SMOKE DETECTORS THAT HAVE VISIBLE AND AUDIBLE ALARMS (NOTE: ALARM DEVICES MUST BE LISTED FOR THE PURPOSE THEY ARE TO SERVE). THROUGH THE EXISTING WIRING, THE GENERAL BUILDING EVACUATION ALARM WILL BE CONNECTED TO THE SMOKE DETECTORS.
14. DIMENSIONS ARE TO THE FACE OF STUD (F.O.S.), FACE OF CONCRETE (F.O.C.), FACE OF POST (F.O.P.) OR CENTERLINE OF PARTY WALLS, CENTERLINE OF DOORS, AND CENTERLINE OF WINDOWS U.N.O. VERIFY ALL DIMENSIONS.
15. AT TUBS AND SHOWERS, EXTEND TYPE 'X' GWB TO BASE PLATE, TO ACHIEVE FIRE RATING USE WR GWB OVER SUCH TYPE 'X' LAYER AS REQUIRED AT PARTY AND CORRIDOR WALLS.
16. ALL 2'-10" DOORS SHOWN IN TYPE 'A' UNITS SHALL MAINTAIN 2'-8" CLEAR MINIMUM OPENING WHEN DOOR IS OPEN IN THE 90 DEGREE POSITION PER ICC/ ANSI A117.1-2009, SECTION 404.2.2.
17. REINFORCEMENT SHALL BE PROVIDED FOR THE FUTURE INSTALLATION OF GRAB BARS AND SHOWER SEATS AT WATER CLOSETS, BATHTUBS, AND SHOWER COMPARTMENTS PER ICC/ANSI A117.1-2009 SEC. 1003.11.4 AND 1004.11.2
18. SEE SECTION SHEETS A005, A006, AND A007 FOR BARRIER-FREE REQUIREMENTS FOR COUNTERS, WORKSURFACES, BATHROOMS ETC. TYPE 'A' DWELLING UNITS
19. PROVIDE DENSHIELD, DUROCK, OR EQUIVILANT WATER RESISTANT WALLBOARD AT TUB/SHOWER AND OTHER WET LOCATIONS.

4 Unit A - Enlarged Plan
3/8" = 1'-0"

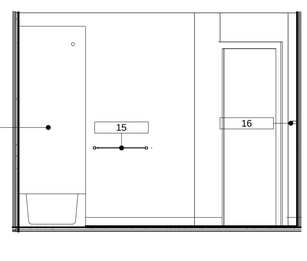


D Unit A - Bath West
3/8" = 1'-0"

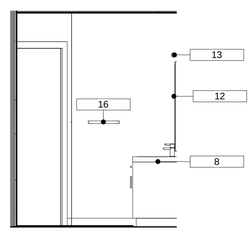


E Unit A - Bath North
3/8" = 1'-0"

1 Unit A - Ceiling Plan
3/8" = 1'-0"



F Unit A - Bath East
3/8" = 1'-0"



G Unit A - Bath South
3/8" = 1'-0"

PLAN KEY NOTES:

1) KITCHEN SINK W/DISP.
2) DISHWASHER
3) RANGE WITH HOOD
4) REFRIGERATOR
5/ WATER HEATER
6) STACK WASHER/DRYER
7) CLOSET ROD AND SHELF
8) VANITY
9) TUB/SHOWER w/STANDARD SHOWER HEAD AND VALVES
10) TOILET
11) TOILET WITH GRAB BARS - SEE SHEETS A005 & A006
12) MIRROR
13) VANITY LIGHT
14) TOILET PAPER HOLDER
15) 24" DOUBLE TOWEL BAR
16) 15" SINGLE TOWEL BAR
17) 5 FT. COAT HOOK BOARD w/ 9 MTL. HOOKS
18) 3FT COAT HOOK BOARD w/ 5 MTL. HOOKS
19) WASHER & DRYER SIDE-BY-SIDE - COMPLY WITH ANSI A117.1 ACCESSIBILTY - SEE SHEET A006
20) ANSI A117.1 COMPLIANT SHOWER HEAD WITH SLIDING BAR
21) ANSI COMPLIANT SIDE-BY-SIDE WASHER/DRYER

SYMBOLS & LEGEND:

- F — EXHAUST FAN: SEE SECTION G FOR ENERGY COMPLIANCE.
- SD — 110V SMOKE DETECTOR W/ DISCONNECTION SWITCH & BATTERY BACKUP, INTERCONNECT WITHIN INDIVIDUAL DWELLING UNITS PER IBC SECTION 907.2.11.2. SEE UNIT PLANS.
- SD/CO — **SD/CO** DENOTES COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR. 110V W/ DISCONNECTION SWITCH & BATTERY BACKUP, INTERCONNECT WITHIN INDIVIDUAL DWELLING UNITS PER IBC SECTIONS 907.2.11.2 AND 907.2.9.3. SEE UNIT PLANS.
- EXIT — ILLUMINATED EXIT SIGN AS NOTED AND PER IBC 1011.
- E — EMERGENCY LIGHT PER IBC 1006.
- 1 — INDICATES WALL TYPE: SEE WALL ASSEMBLY SCHEDULE
- F.E. — FIRE EXTINGUISHERS PER IFC. SEE EGRESS PLANS IN SECTION G CLASS 3A TYP. U.N.O.
- 1 — INDICATES WINDOW TYPE: SEE WINDOW SCHEDULE IN SECTION A601
- 001 — INDICATES DOOR TYPE: SEE DOOR SCHEDULE IN SECTION A601
- # — INDICATES PARKING STALL COUNT.
- INDICATES 60" DIAMETER UNOBSTRUCTED FLOOR SPACE. SEE UNIT PLANS AND ENLARGED PLANS
- INDICATES 30" X 48" MANEUVERING SPACE. SEE UNIT PLANS AND ENLARGED PLANS.
- INDICATES CEILING OR SOFFIT 7'-6" AFF TYP. U.N.O. SOFFIT TO T.O. UPPER CABINETS @ KITCHENS TYP.
- PAINTED STRIPE AREA PER CITY REQUIREMENTS

REGISTERED ARCHITECT
7227
DALE SWEENEY
STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/(SD):

REVISIONS

NO.	DATE	Revision Description
3	1/15/21	City Comments

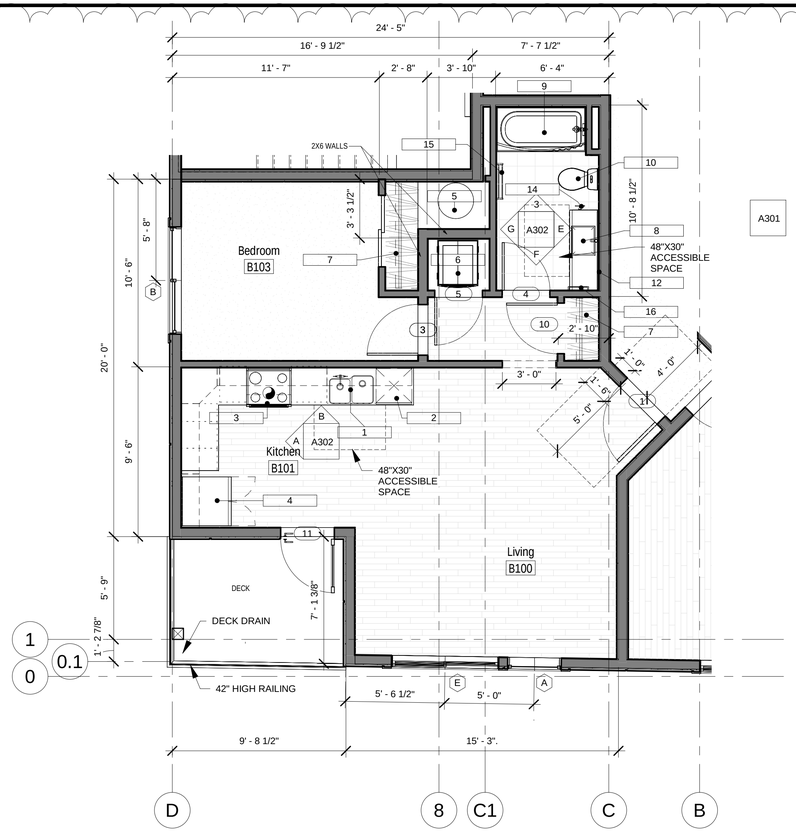
TP HOME 22 UNIT APTS. 2152

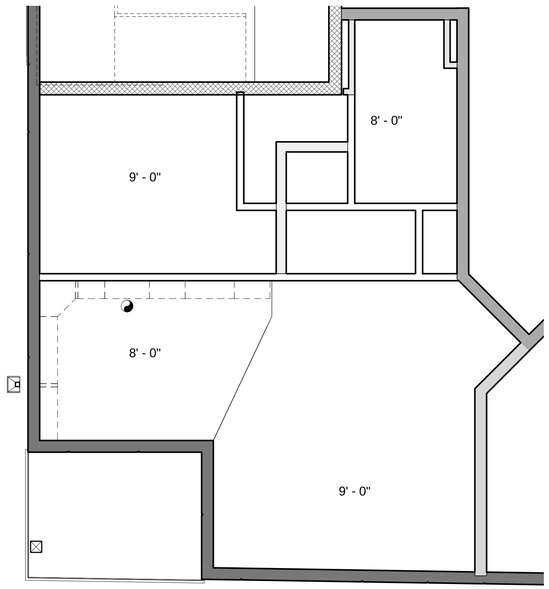
TP Home LLC
2152 N 185TH ST.

UNIT PLAN A

PRINT DATE:
2/15/2021 12:46:56 PM

SHEET NO.
A301





PLAN NOTES

1. SEE INDIVIDUAL UNIT FLOOR PLANS IN SECTION A3 FOR DETAILED INFORMATION. (DIMENSIONS, CONSTRUCTION, DOOR/WINDOW, ETC.)
2. SEE ENLARGED STAIR/ELEVATOR SHEETS A801 & A802 FOR DETAILED INFORMATION .
3. PROPERTY LINES SHOWN FOR GENERAL INFORMATION ONLY. SEE SITE PLAN IN SECTION A1 FOR PLACEMENT OF BUILDING.
4. SEE SITE PLAN IN SECTION A100 FOR DETAILED INFORMATION OR SITE FEATURES.
5. THE BUILDING IS TO BE FIRE SPRINKLERED THROUGHOUT.
6. FIRE EXTINGUISHERS ARE TO BE LOCATED NO MORE THAN 75 FT OF TRAVEL TO THE NEAREST EXTINGUISHER. EXTINGUISHERS TO COMPLY WITH IFC 2009 906.1, BMC 20.08.22 AND NFPA 10.
7. FIRE EXTINGUISHER BOXES TO BE SURFACE MOUNT AT GARAGE COLUMNS/CONCRETE WALLS, ELSE SEMI-RECESSED WITH 4" MAX. PROTRUSION. BASE OF CABINET TO BE 27" MIN. A.F.F.
8. AUDIBLE AND VISIBLE ALARMS
   VISIBLE AND AUDIBLE NOTIFICATION DEVICES, SMOKE ALARMS AND EMERGENCY VOICE/ALARM COMMUNICATION SYSTEMS. AUDIBLE ALARMS (SECTION 907) MUST BE PROVIDED TO SERVE ALL OCCUPIABLE AREAS WHERE A FIRE ALARM SYSTEM IS REQUIRED BY THE CODE.
   VISIBLE ALARMS MUST BE PROVIDED IN AREAS WHERE THE AMBIENT NOISE LEVEL IS SUCH THAT AUDIBLE ALARMS MAY NOT BE HEARD (SECTION 907.5.2.1.2).
9. VISIBLE ALARMS ARE REQUIRED IN ALL PUBLIC-USE AND ALL COMMON-USE AREAS TO ALERTPEOPLE WITH HEARING IMPAIRMENTS (SECTION 907.5.2.3.1)
10. GROUP R-2 RESIDENTIAL BUILDINGS (SECTION 907.5.2.3.3). WHEN A BUILDING IS REQUIRED TO HAVE A GENERAL EVACUATION ALARM, PUBLIC AREAS ROOMS ARE REQUIRED TO HAVE VISIBLE AND AUDIBLE ALARMS. THE GENERAL ALARM NOTIFICATION MUST BE AUDIBLE WITHIN THE RESIDENTIAL UNITS. VISIBLE ALARM NOTIFICATION APPLIANCES ARE NOT REQUIRED WITHIN EACH UNIT, BUT VISIBLE NOTIFICATION CAN BE EASILY MADE AVAILABLE WHEN REQUESTED FOR PERSONS WITH HEARING IMPAIRMENTS, VIA THE SMOKE ALARMS WITHIN THEIR UNITS.
11. SINGLE- OR MULTIPLE-STATION SMOKE ALARMS ARE REQUIRED WITHIN EACH SLEEPING ROOM, IMMEDIATELY OUTSIDE OF ALL SLEEPING ROOMS, AND ON EACH FLOOR LEVEL IN A SUITE OR DWELLING UNIT (SECTION 907.2.11.2).
12. WHEN MULTIPLE SMOKE ALARMS ARE INSTALLED IN A UNIT, THEY MUST BE INTERCONNECTED (SECTION 907.2.11.5). IN GROUP R-2 FACILITIES, WHEN A BUILDING EVACUATION ALARM SYSTEM IS INSTALLED, A WIRE FROM THE GENERAL SYSTEM MUST BE PROVIDED TO ONE OF THE SMOKE DETECTORS IN THE UNIT (SECTION 907.5.2.3.3 AND ICC/ANSI A117.1, STANDARD ON ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, SECTION 1006.4).
13. WHEN A PERSON WITH A HEARING IMPAIRMENT WANTS VISIBLE NOTIFICATION IN THEIR APARTMENT, IT IS EASY TO SWITCH OUT THE TYPICAL AUDIBLE SMOKE DETECTORS FOR SMOKE DETECTORS THAT HAVE VISIBLE AND AUDIBLE ALARMS (NOTE: ALARM DEVICES MUST BE LISTED FOR THE PURPOSE THEY ARE TO SERVE). THROUGH THE EXISTING WIRING, THE GENERAL BUILDING EVACUATION ALARM WILL BE CONNECTED TO THE SMOKE DETECTORS.
14. DIMENSIONS ARE TO THE FACE OF STUD (F.O.S.), FACE OF CONCRETE (F.O.C.), FACE OF POST (F.O.P.) OR CENTERLINE OF PARTY WALLS, CENTERLINE OF DOORS, AND CENTERLINE OF WINDOWS U.N.O. VERIFY ALL DIMENSIONS.
15. AT TUBS AND SHOWERS, EXTEND TYPE 'X' GWB TO BASE PLATE, TO ACHIEVE FIRE RATING USE WR GWB OVER SUCH TYPE 'X' LAYER AS REQUIRED AT PARTY AND CORRIDOR WALLS.
16. ALL 2'-10" DOORS SHOWN IN TYPE 'A' UNITS SHALL MAINTAIN 2'-8" CLEAR MINIMUM OPENING WHEN DOOR IS OPEN IN THE 90 DEGREE POSITION PER ICC/ ANSI A117.1-2009, SECTION 404.2.2.
17. REINFORCEMENT SHALL BE PROVIDED FOR THE FUTURE INSTALLATION OF GRAB BARS AND SHOWER SEATS AT WATER CLOSETS, BATHTUBS, AND SHOWER COMPARTMENTS PER ICC/ANSI A117.1-2009 SEC. 1003.11.4 AND 1004.11.2
18. SEE SECTION SHEETS A005, A006, AND A007 FOR BARRIER-FREE REQUIREMENTS FOR COUNTERS, WORKSURFACES, BATHROOMS ETC. TYPE 'A' DWELLING UNITS
19. PROVIDE DENSHIELD, DUROCK, OR EQUIVILANT WATER RESISTANT WALLBOARD AT TUB/SHOWER AND OTHER WET LOCATIONS.

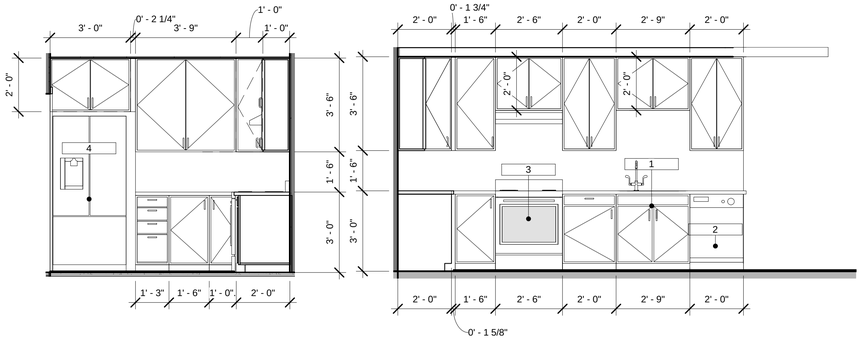
PLAN KEY NOTES:

1) KITCHEN SINK W/DISP.
2) DISHWASHER
3) RANGE WITH HOOD
4) REFRIGERATOR
5) WATER HEATER
6) STACK WASHER/DRYER
7) CLOSET ROD AND SHELF
8) VANITY
9) TUB/SHOWER w/STANDARD SHOWER HEAD AND VALVES
10) TOILET
11) TOILET WITH GRAB BARS - SEE SHEETS A005 & A006
12) MIRROR
13) VANITY LIGHT
14) TOILET PAPER HOLDER
15) 24" DOUBLE TOWEL BAR
16) 15" SINGLE TOWEL BAR
17) 5 FT. COAT HOOK BOARD w/ 9 MTL. HOOKS
18) 3FT COAT HOOK BOARD w/ 5 MTL. HOOKS
19) WASHER & DRYER SIDE-BY-SIDE - COMPLY WITH ANSI A117.1 ACCESSIBILITY - SEE SHEET A006
20) ANSI A117.1 COMPLIANT SHOWER HEAD WITH SLIDING BAR
21) ANSI COMPLIANT SIDE-BY-SIDE WASHER/DRYER

SYMBOLS & LEGEND:

- F — EXHAUST FAN: SEE SECTION G FOR ENERGY COMPLIANCE.
- SD — 110V SMOKE DETECTOR W/ DISCONNECTION SWITCH & BATTERY BACKUP, INTERCONNECT WITHIN INDIVIDUAL DWELLING UNITS PER IBC SECTION 907.2.11.2. SEE UNIT PLANS.
- SD/CO — **SD/CO** DENOTES COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR. 110V W/ DISCONNECTION SWITCH & BATTERY BACKUP, INTERCONNECT WITHIN INDIVIDUAL DWELLING UNITS PER IBC SECTIONS 907.2.11.2 AND 907.2.9.3. SEE UNIT PLANS.
- EXIT — ILLUMINATED EXIT SIGN AS NOTED AND PER IBC 1011.
- E — EMERGENCY LIGHT PER IBC 1006.
- 1 — INDICATES WALL TYPE: SEE WALL ASSEMBLY SCHEDULE
- F.E. — FIRE EXTINGUISHERS PER IFC. SEE EGRESS PLANS IN SECTION G CLASS 3A TYP. U.N.O.
- 1 — INDICATES WINDOW TYPE: SEE WINDOW SCHEDULE IN SECTION A601
- 001 — INDICATES DOOR TYPE: SEE DOOR SCHEDULE IN SECTION A601
- # — INDICATES PARKING STALL COUNT.
- INDICATES 60" DIAMETER UNOBSTRUCTED FLOOR SPACE. SEE UNIT PLANS AND ENLARGED PLANS
- INDICATES 30" X 48" MANEUVERING SPACE. SEE UNIT PLANS AND ENLARGED PLANS.
- INDICATES CEILING OR SOFFIT 7'-6" AFF TYP. U.N.O. SOFFIT TO T.O. UPPER CABINETS @ KITCHENS TYP.
- PAINTED STRIPE AREA PER CITY REQUIREMENTS

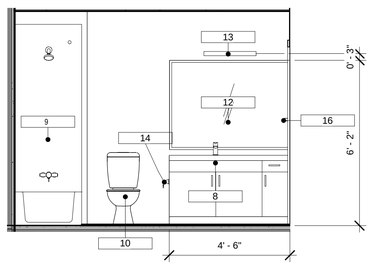
2 Unit B - Enlarged Plan
1/4" = 1'-0"



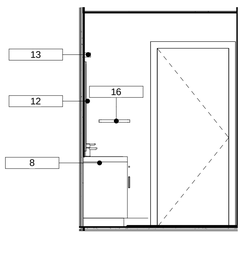
A Unit B - Kitchen West
3/8" = 1'-0"

B Unit B - Kitchen North
3/8" = 1'-0"

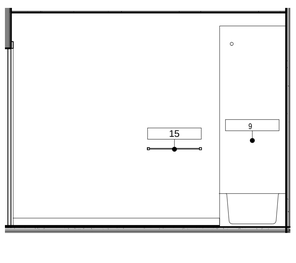
1 Unit B - Ceiling Plan
1/4" = 1'-0"



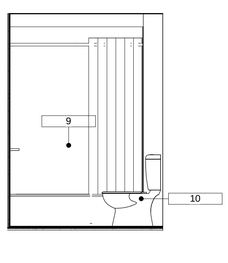
E Unit B - Bath East
3/8" = 1'-0"



F Unit B - Bath South
3/8" = 1'-0"



G Unit B - Bath West
3/8" = 1'-0"



3 Unit B - Bath North
3/8" = 1'-0"

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

REGISTERED ARCHITECT 7227 DALE SWEENEY STATE OF WASHINGTON

REVISIONS		
NO.	DATE	Revision Description
3	1/15/21	City Comments

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/VSD:

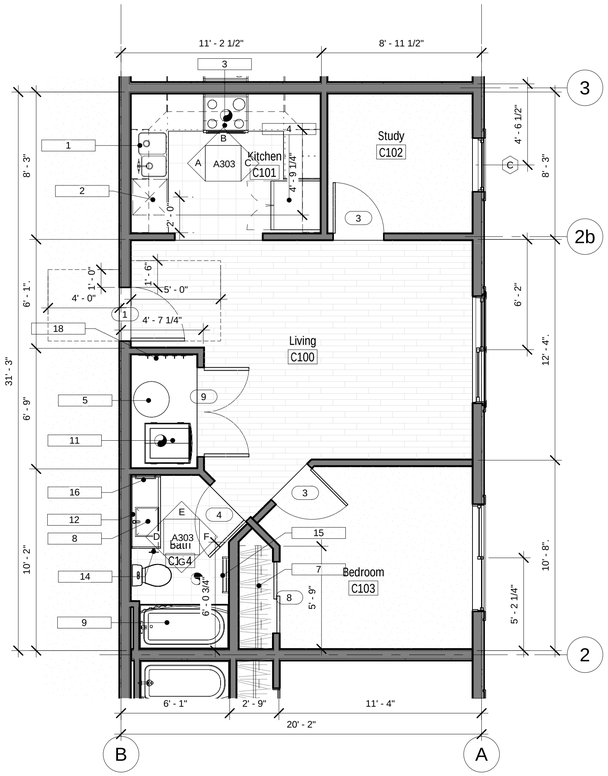
TP HOME 22 UNIT APTS. 2152

TP Home LLC
2152 N 185TH ST.

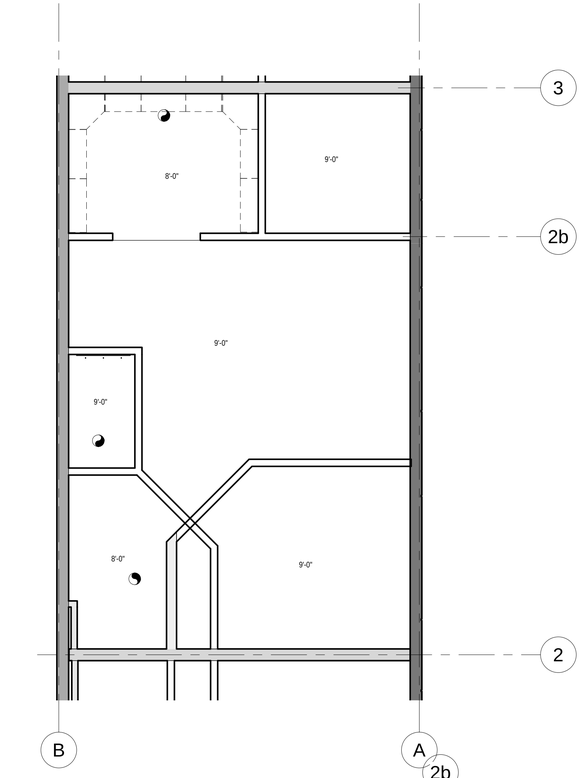
UNIT PLAN B

PRINT DATE:
2/15/2021 12:46:57 PM

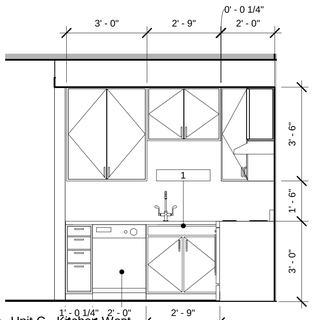
SHEET NO.
A302



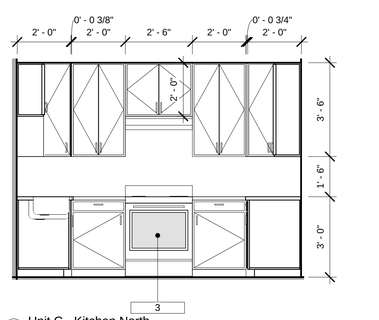
2 Unit C - Enlarged Plan
1/4" = 1'-0"



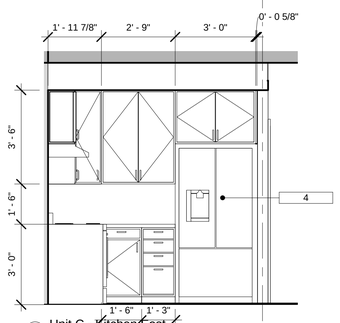
1 Unit C - Ceiling Plan
1/4" = 1'-0"



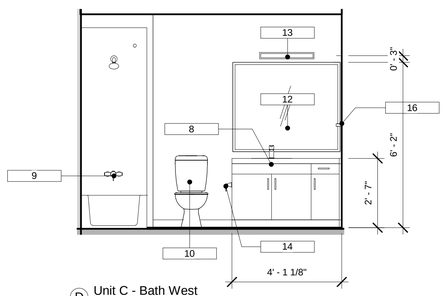
A Unit C - Kitchen West
3/8" = 1'-0"



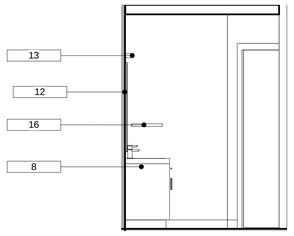
B Unit C - Kitchen North
3/8" = 1'-0"



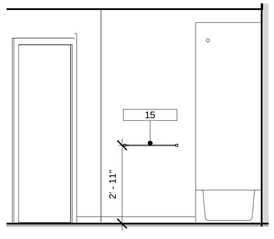
C Unit C - Kitchen East
3/8" = 1'-0"



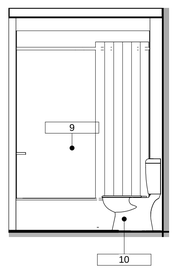
D Unit C - Bath West
3/8" = 1'-0"



E Unit C - Bath North
3/8" = 1'-0"



F Unit C - Bath East
3/8" = 1'-0"



G Unit C - Bath South
3/8" = 1'-0"

PLAN NOTES

1. SEE INDIVIDUAL UNIT FLOOR PLANS IN SECTION A3 FOR DETAILED INFORMATION. (DIMENSIONS, CONSTRUCTION, DOOR/WINDOW, ETC.)
2. SEE ENLARGED STAIR/ELEVATOR SHEETS A801 & A802 FOR DETAILED INFORMATION .
3. PROPERTY LINES SHOWN FOR GENERAL INFORMATION ONLY. SEE SITE PLAN IN SECTION A1 FOR PLACEMENT OF BUILDING.
4. SEE SITE PLAN IN SECTION A100 FOR DETAILED INFORMATION OR SITE FEATURES.
5. THE BUILDING IS TO BE FIRE SPRINKLERED THROUGHOUT,
6. FIRE EXTINGUISHERS ARE TO BE LOCATED NO MORE THAN 75 FT OF TRAVEL TO THE NEAREST EXTINGUISHER. EXTINGUISHERS TO COMPLY WITH IFC 2009 906.1, BMC 20.08.22 AND NFPA 10.
7. FIRE EXTINGUISHER BOXES TO BE SURFACE MOUNT AT GARAGE COLUMNS/CONCRETE WALLS, ELSE SEMI-RECESSED WITH 4" MAX. PROTRUSION. BASE OF CABINET TO BE 27" MIN. A.F.F.
8. AUDIBLE AND VISIBLE ALARMS
   VISIBLE AND AUDIBLE NOTIFICATION DEVICES, SMOKE ALARMS AND EMERGENCY VOICE/ALARM COMMUNICATION SYSTEMS. AUDIBLE ALARMS (SECTION 907) MUST BE PROVIDED TO SERVE ALL OCCUPIABLE AREAS WHERE A FIRE ALARM SYSTEM IS REQUIRED BY THE CODE.
   VISIBLE ALARMS MUST BE PROVIDED IN AREAS WHERE THE AMBIENT NOISE LEVEL IS SUCH THAT AUDIBLE ALARMS MAY NOT BE HEARD (SECTION 907.5.2.1.2).
9. VISIBLE ALARMS ARE REQUIRED IN ALL PUBLIC-USE AND ALL COMMON-USE AREAS TO ALERTPEOPLE WITH HEARING IMPAIRMENTS (SECTION 907.5.2.3.1)
   .
10. GROUP R-2 RESIDENTIAL BUILDINGS (SECTION 907.5.2.3.3). WHEN A BUILDING IS REQUIRED TO HAVE A GENERAL EVACUATION ALARM, PUBLIC AREAS ROOMS ARE REQUIRED TO HAVE VISIBLE AND AUDIBLE ALARMS. THE GENERAL ALARM NOTIFICATION MUST BE AUDIBLE WITHIN THE RESIDENTIAL UNITS. VISIBLE ALARM NOTIFICATION APPLIANCES ARE NOT REQUIRED WITHIN EACH UNIT, BUT VISIBLE NOTIFICATION CAN BE EASILY MADE AVAILABLE WHEN REQUESTED FOR PERSONS WITH HEARING IMPAIRMENTS, VIA THE SMOKE ALARMS WITHIN THEIR UNITS.
11. SINGLE- OR MULTIPLE-STATION SMOKE ALARMS ARE REQUIRED WITHIN EACH SLEEPING ROOM, IMMEDIATELY OUTSIDE OF ALL SLEEPING ROOMS, AND ON EACH FLOOR LEVEL IN A SUITE OR DWELLING UNIT (SECTION 907.2.11.2).
12. WHEN MULTIPLE SMOKE ALARMS ARE INSTALLED IN A UNIT, THEY MUST BE INTERCONNECTED (SECTION 907.2.11.5). IN GROUP R-2 FACILITIES, WHEN A BUILDING EVACUATION ALARM SYSTEM IS INSTALLED, A WIRE FROM THE GENERAL SYSTEM MUST BE PROVIDED TO ONE OF THE SMOKE DETECTORS IN THE UNIT (SECTION 907.5.2.3.3 AND ICC/ANSI A117.1, STANDARD ON ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, SECTION 1006.4).
13. WHEN A PERSON WITH A HEARING IMPAIRMENT WANTS VISIBLE NOTIFICATION IN THEIR APARTMENT, IT IS EASY TO SWITCH OUT THE TYPICAL AUDIBLE SMOKE DETECTORS FOR SMOKE DETECTORS THAT HAVE VISIBLE AND AUDIBLE ALARMS (NOTE: ALARM DEVICES MUST BE LISTED FOR THE PURPOSE THEY ARE TO SERVE). THROUGH THE EXISTING WIRING, THE GENERAL BUILDING EVACUATION ALARM WILL BE CONNECTED TO THE SMOKE DETECTORS.
14. DIMENSIONS ARE TO THE FACE OF STUD (F.O.S.), FACE OF CONCRETE (F.O.C.), FACE OF POST (F.O.P.) OR CENTERLINE OF PARTY WALLS, CENTERLINE OF DOORS, AND CENTERLINE OF WINDOWS U.N.O. VERIFY ALL DIMENSIONS.
15. AT TUBS AND SHOWERS, EXTEND TYPE 'X' GWB TO BASE PLATE, TO ACHIEVE FIRE RATING USE WR GWB OVER SUCH TYPE 'X' LAYER AS REQUIRED AT PARTY AND CORRIDOR WALLS.
16. ALL 2'-10" DOORS SHOWN IN TYPE 'A' UNITS SHALL MAINTAIN 2'-8" CLEAR MINIMUM OPENING WHEN DOOR IS OPEN IN THE 90 DEGREE POSITION PER ICC/ ANSI A117.1-2009, SECTION 404.2.2.
17. REINFORCEMENT SHALL BE PROVIDED FOR THE FUTURE INSTALLATION OF GRAB BARS AND SHOWER SEATS AT WATER CLOSETS, BATHTUBS, AND SHOWER COMPARTMENTS PER ICC/ANSI A117.1-2009 SEC. 1003.11.4 AND 1004.11.2
18. SEE SECTION SHEETS A005, A006, AND A007 FOR BARRIER-FREE REQUIREMENTS FOR COUNTERS, WORKSURFACES, BATHROOMS ETC. TYPE 'A' DWELLING UNITS
19. PROVIDE DENSHIELD, DUROCK, OR EQUIVILANT WATER RESISTANT WALLBOARD AT TUB/SHOWER AND OTHER WET LOCATIONS.

PLAN KEY NOTES:

1) KITCHEN SINK W/DISP.
2) DISHWASHER
3) RANGE WITH HOOD
4) REFRIGERATOR
5/ WATER HEATER
6) STACK WASHER/DRYER
7) CLOSET ROD AND SHELF
8) VANITY
9) TUB/SHOWER w/STANDARD SHOWER HEAD AND VALVES
10) TOILET
11) TOILET WITH GRAB BARS - SEE SHEETS A005 & A006
12) MIRROR
13) VANITY LIGHT
14) TOILET PAPER HOLDER
15) 24" DOUBLE TOWEL BAR
16) 15" SINGLE TOWEL BAR
17) 5 FT. COAT HOOK BOARD w/ 9 MTL. HOOKS
18) 3FT COAT HOOK BOARD w/ 5 MTL. HOOKS
19) WASHER & DRYER SIDE-BY-SIDE - COMPLY WITH ANSI A117.1 ACCESSIBILTY - SEE SHEET A006
20) ANSI A117.1 COMPLIANT SHOWER HEAD WITH SLIDING BAR
21) ANSI COMPLIANT SIDE-BY-SIDE WASHER/DRYER

SYMBOLS & LEGEND:

- F — EXHAUST FAN: SEE SECTION G FOR ENERGY COMPLIANCE.
- SD — 110V SMOKE DETECTOR W/ DISCONNECTION SWITCH & BATTERY BACKUP, INTERCONNECT WITHIN INDIVIDUAL DWELLING UNITS PER IBC SECTION 907.2.11.2. SEE UNIT PLANS.
- SD/CO — **SD/CO** DENOTES COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR. 110V W/ DISCONNECTION SWITCH & BATTERY BACKUP, INTERCONNECT WITHIN INDIVIDUAL DWELLING UNITS PER IBC SECTIONS 907.2.11.2 AND 907.2.9.3. SEE UNIT PLANS.
- EXIT — ILLUMINATED EXIT SIGN AS NOTED AND PER IBC 1011.
- E — EMERGENCY LIGHT PER IBC 1006.
- 1 — INDICATES WALL TYPE: SEE WALL ASSEMBLY SCHEDULE
- F.E. — FIRE EXTINGUISHERS PER IFC. SEE EGRESS PLANS IN SECTION G CLASS 3A TYP. U.N.O.
- 1 — INDICATES WINDOW TYPE: SEE WINDOW SCHEDULE IN SECTION A601
- 001 — INDICATES DOOR TYPE: SEE DOOR SCHEDULE IN SECTION A601
- # — INDICATES PARKING STALL COUNT.
- INDICATES 60" DIAMETER UNOBSTRUCTED FLOOR SPACE. SEE UNIT PLANS AND ENLARGED PLANS
- INDICATES 30" X 48" MANEUVERING SPACE. SEE UNIT PLANS AND ENLARGED PLANS.
- INDICATES CEILING OR SOFFIT 7'-6" AFF TYP. U.N.O. SOFFIT TO T.O. UPPER CABINETS @ KITCHENS TYP.
- PAINTED STRIPE AREA PER CITY REQUIREMENTS

REGISTERED ARCHITECT
DALE SWEENEY
STATE OF WASHINGTON
7227

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

REVISIONS

NO.	DATE	Revision Description

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
RVSD:

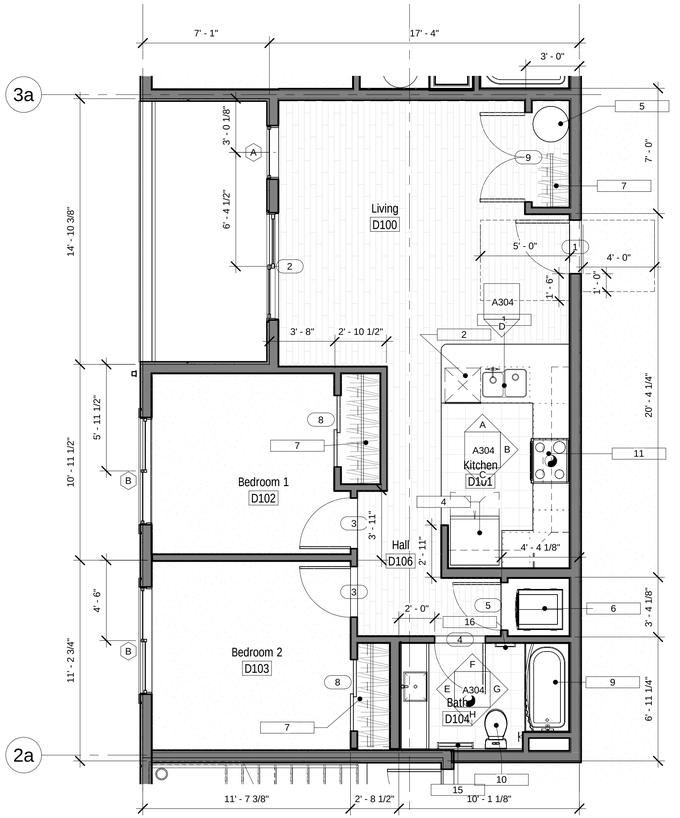
TP HOME 22 UNIT APTS. 2152

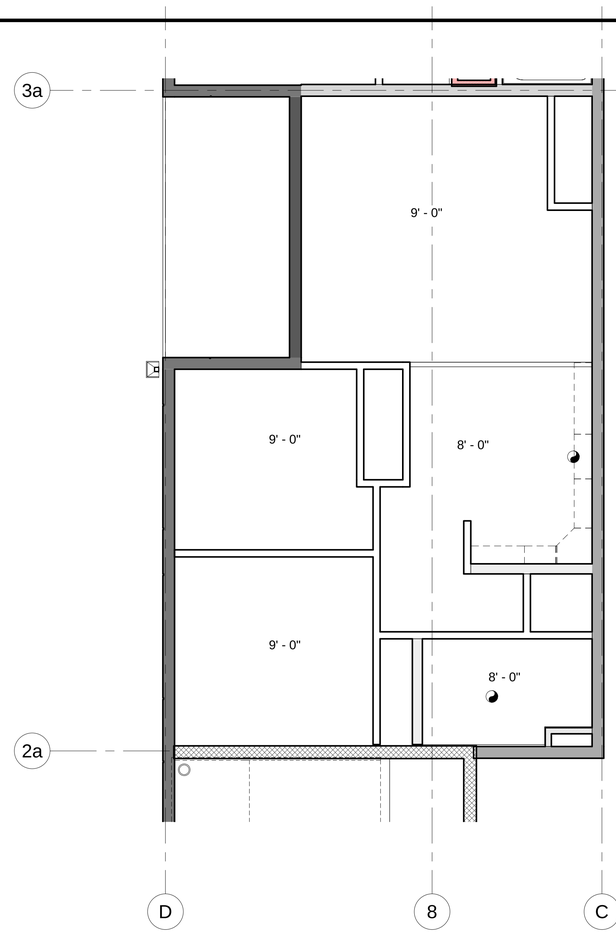
TP Home LLC
2152 N 185TH ST.

UNIT PLAN C (UNIT E REVERSED)

PRINT DATE:
2/15/2021 12:46:59 PM

SHEET NO.
A303





PLAN NOTES

1. SEE INDIVIDUAL UNIT FLOOR PLANS IN SECTION A3 FOR DETAILED INFORMATION. (DIMENSIONS, CONSTRUCTION, DOOR/WINDOW, ETC.)
2. SEE ENLARGED STAIR/ELEVATOR SHEETS A801 & A802 FOR DETAILED INFORMATION .
3. PROPERTY LINES SHOWN FOR GENERAL INFORMATION ONLY. SEE SITE PLAN IN SECTION A1 FOR PLACEMENT OF BUILDING.
4. SEE SITE PLAN IN SECTION A100 FOR DETAILED INFORMATION OR SITE FEATURES.
5. THE BUILDING IS TO BE FIRE SPRINKLERED THROUGHOUT,
6. FIRE EXTINGUISHERS ARE TO BE LOCATED NO MORE THAN 75 FT OF TRAVEL TO THE NEAREST EXTINGUISHER. EXTINGUISHERS TO COMPLY WITH IFC 2009 906.1, BMC 20.08.22 AND NFPA 10.
7. FIRE EXTINGUISHER BOXES TO BE SURFACE MOUNT AT GARAGE COLUMNS/CONCRETE WALLS, ELSE SEMI-RECESSED WITH 4" MAX. PROTRUSION. BASE OF CABINET TO BE 27" MIN. A.F.F.
8. AUDIBLE AND VISIBLE ALARMS
   VISIBLE AND AUDIBLE NOTIFICATION DEVICES, SMOKE ALARMS AND EMERGENCY VOICE/ALARM COMMUNICATION SYSTEMS. AUDIBLE ALARMS (SECTION 907) MUST BE PROVIDED TO SERVE ALL OCCUPIABLE AREAS WHERE A FIRE ALARM SYSTEM IS REQUIRED BY THE CODE.
   VISIBLE ALARMS MUST BE PROVIDED IN AREAS WHERE THE AMBIENT NOISE LEVEL IS SUCH THAT AUDIBLE ALARMS MAY NOT BE HEARD (SECTION 907.5.2.1.2).
9. VISIBLE ALARMS ARE REQUIRED IN ALL PUBLIC-USE AND ALL COMMON-USE AREAS TO ALERTPEOPLE WITH HEARING IMPAIRMENTS (SECTION 907.5.2.3.1)
10. GROUP R-2 RESIDENTIAL BUILDINGS (SECTION 907.5.2.3.3). WHEN A BUILDING IS REQUIRED TO HAVE A GENERAL EVACUATION ALARM, PUBLIC AREAS ROOMS ARE REQUIRED TO HAVE VISIBLE AND AUDIBLE ALARMS. THE GENERAL ALARM NOTIFICATION MUST BE AUDIBLE WITHIN THE RESIDENTIAL UNITS. VISIBLE ALARM NOTIFICATION APPLIANCES ARE NOT REQUIRED WITHIN EACH UNIT, BUT VISIBLE NOTIFICATION CAN BE EASILY MADE AVAILABLE WHEN REQUESTED FOR PERSONS WITH HEARING IMPAIRMENTS, VIA THE SMOKE ALARMS WITHIN THEIR UNITS.
11. SINGLE- OR MULTIPLE-STATION SMOKE ALARMS ARE REQUIRED WITHIN EACH SLEEPING ROOM, IMMEDIATELY OUTSIDE OF ALL SLEEPING ROOMS, AND ON EACH FLOOR LEVEL IN A SUITE OR DWELLING UNIT (SECTION 907.2.11.2).
12. WHEN MULTIPLE SMOKE ALARMS ARE INSTALLED IN A UNIT, THEY MUST BE INTERCONNECTED (SECTION 907.2.11.5). IN GROUP R-2 FACILITIES, WHEN A BUILDING EVACUATION ALARM SYSTEM IS INSTALLED, A WIRE FROM THE GENERAL SYSTEM MUST BE PROVIDED TO ONE OF THE SMOKE DETECTORS IN THE UNIT (SECTION 907.5.2.3.3 AND ICC/ANSI A117.1, STANDARD ON ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, SECTION 1006.4).
13. WHEN A PERSON WITH A HEARING IMPAIRMENT WANTS VISIBLE NOTIFICATION IN THEIR APARTMENT, IT IS EASY TO SWITCH OUT THE TYPICAL AUDIBLE SMOKE DETECTORS FOR SMOKE DETECTORS THAT HAVE VISIBLE AND AUDIBLE ALARMS (NOTE: ALARM DEVICES MUST BE LISTED FOR THE PURPOSE THEY ARE TO SERVE). THROUGH THE EXISTING WIRING, THE GENERAL BUILDING EVACUATION ALARM WILL BE CONNECTED TO THE SMOKE DETECTORS.
14. DIMENSIONS ARE TO THE FACE OF STUD (F.O.S.), FACE OF CONCRETE (F.O.C.), FACE OF POST (F.O.P.) OR CENTERLINE OF PARTY WALLS, CENTERLINE OF DOORS, AND CENTERLINE OF WINDOWS U.N.O. VERIFY ALL DIMENSIONS.
15. AT TUBS AND SHOWERS, EXTEND TYPE 'X' GWB TO BASE PLATE, TO ACHIEVE FIRE RATING USE WR GWB OVER SUCH TYPE 'X' LAYER AS REQUIRED AT PARTY AND CORRIDOR WALLS.
16. ALL 2'-10" DOORS SHOWN IN TYPE 'A' UNITS SHALL MAINTAIN 2'-8" CLEAR MINIMUM OPENING WHEN DOOR IS OPEN IN THE 90 DEGREE POSITION PER ICC/ ANSI A117.1-2009, SECTION 404.2.2.
17. REINFORCEMENT SHALL BE PROVIDED FOR THE FUTURE INSTALLATION OF GRAB BARS AND SHOWER SEATS AT WATER CLOSETS, BATHTUBS, AND SHOWER COMPARTMENTS PER ICC/ANSI A117.1-2009 SEC. 1003.11.4 AND 1004.11.2
18. SEE SECTION SHEETS A005, A006, AND A007 FOR BARRIER-FREE REQUIREMENTS FOR COUNTERS, WORKSURFACES, BATHROOMS ETC. TYPE 'A' DWELLING UNITS
19. PROVIDE DENSHIELD, DUROCK, OR EQUIVILANT WATER RESISTANT WALLBOARD AT TUB/SHOWER AND OTHER WET LOCATIONS.

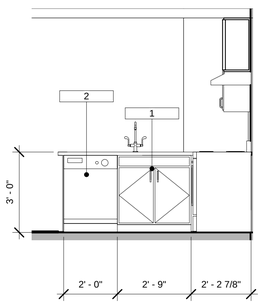
PLAN KEY NOTES:

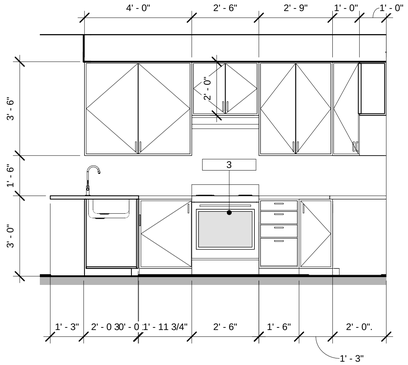
1) KITCHEN SINK W/DISP.
2) DISHWASHER
3) RANGE WITH HOOD
4) REFRIGERATOR
5/ WATER HEATER
6) STACK WASHER/DRYER
7) CLOSET ROD AND SHELF
8) VANITY
9) TUB/SHOWER w/STANDARD SHOWER HEAD AND VALVES
10) TOILET
11) TOILET WITH GRAB BARS - SEE SHEETS A005 & A006
12) MIRROR
13) VANITY LIGHT
14) TOILET PAPER HOLDER
15) 24" DOUBLE TOWEL BAR
16) 15" SINGLE TOWEL BAR
17) 5 FT. COAT HOOK BOARD w/ 9 MTL. HOOKS
18) 3FT COAT HOOK BOARD w/ 5 MTL. HOOKS
19) WASHER & DRYER SIDE-BY-SIDE - COMPLY WITH ANSI A117.1 ACCESSIBILTY - SEE SHEET A006
20) ANSI A117.1 COMPLIANT SHOWER HEAD WITH SLIDING BAR
21) ANSI COMPLIANT SIDE-BY-SIDE WASHER/DRYER

SYMBOLS & LEGEND:

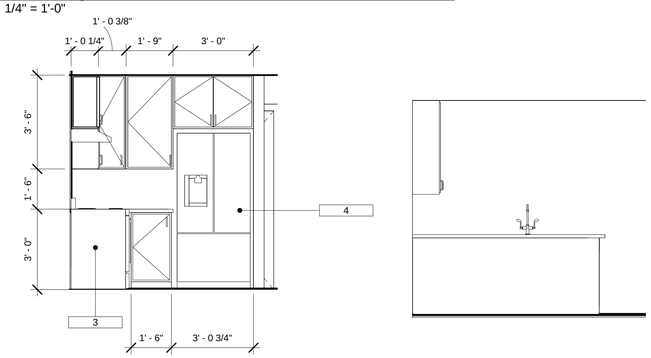
- F — EXHAUST FAN: SEE SECTION G FOR ENERGY COMPLIANCE.
- SD — 110V SMOKE DETECTOR W/ DISCONNECTION SWITCH & BATTERY BACKUP, INTERCONNECT WITHIN INDIVIDUAL DWELLING UNITS PER IBC SECTION 907.2.11.2. SEE UNIT PLANS.
- SD/CO — **SD/CO** DENOTES COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR. 110V W/ DISCONNECTION SWITCH & BATTERY BACKUP, INTERCONNECT WITHIN INDIVIDUAL DWELLING UNITS PER IBC SECTIONS 907.2.11.2 AND 907.2.9.3. SEE UNIT PLANS.
- EXIT — ILLUMINATED EXIT SIGN AS NOTED AND PER IBC 1011.
- E — EMERGENCY LIGHT PER IBC 1006.
- 1 — INDICATES WALL TYPE: SEE WALL ASSEMBLY SCHEDULE
- F.E. — FIRE EXTINGUISHERS PER IFC. SEE EGRESS PLANS IN SECTION G CLASS 3A TYP. U.N.O.
- 1 — INDICATES WINDOW TYPE: SEE WINDOW SCHEDULE IN SECTION A601
- 001 — INDICATES DOOR TYPE: SEE DOOR SCHEDULE IN SECTION A601
- # — INDICATES PARKING STALL COUNT.
- INDICATES 60" DIAMETER UNOBSTRUCTED FLOOR SPACE. SEE UNIT PLANS AND ENLARGED PLANS
- INDICATES 30" X 48" MANEUVERING SPACE. SEE UNIT PLANS AND ENLARGED PLANS.
- INDICATES CEILING OR SOFFIT 7'-6" AFF TYP. U.N.O. SOFFIT TO T.O. UPPER CABINETS @ KITCHENS TYP.
- PAINTED STRIPE AREA PER CITY REQUIREMENTS

2 Unit D - Enlarged Plan
1/4" = 1'-0"





1 Unit D - Ceiling Plan
1/4" = 1'-0"

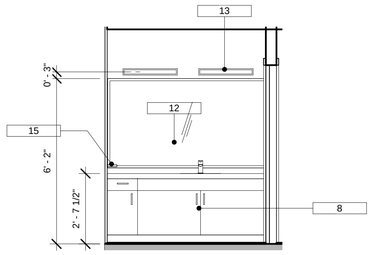


A Unit D - Kitchen North
3/8" = 1'-0"

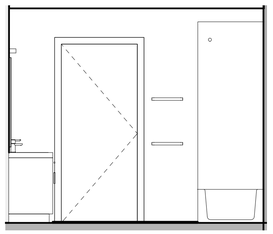
B Unit D - Kitchen East
3/8" = 1'-0"

C Unit D - Kitchen South
3/8" = 1'-0"

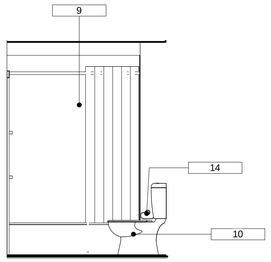
D Unit D - Kitchen Bar South
3/8" = 1'-0"



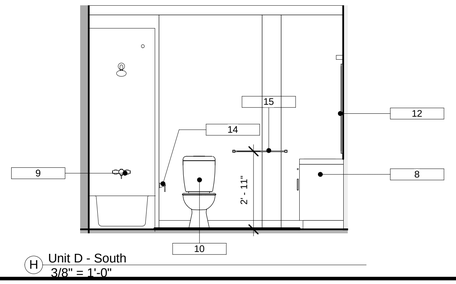
E Unit D - Bath West
3/8" = 1'-0"



F Unit D - Bath North
3/8" = 1'-0"



G Unit D - Bath East
3/8" = 1'-0"



H Unit D - South
3/8" = 1'-0"

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

REGISTERED ARCHITECT 7227 DALE SWEENEY STATE OF WASHINGTON

REVISIONS	
NO.	DATE
	Revision Description

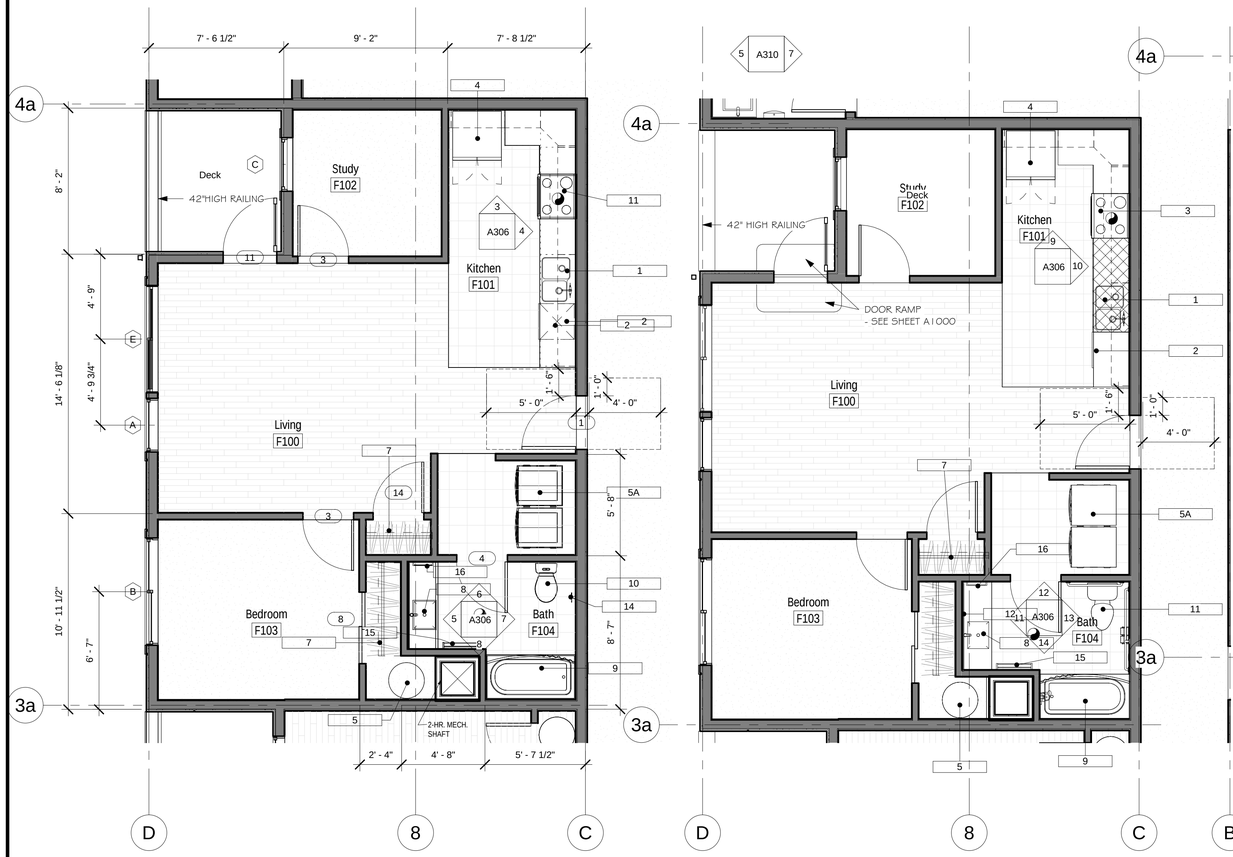
JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/VSD:

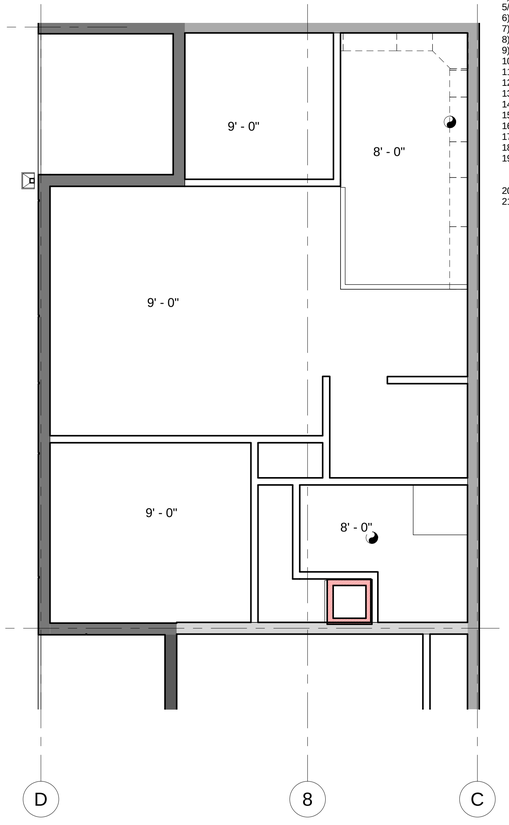
TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

UNIT PLAN D

PRINT DATE: 2/15/2021 12:47:02 PM

SHEET NO.
A304





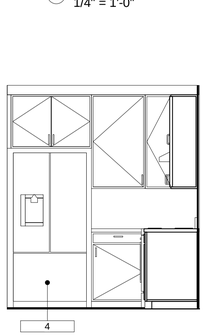
PLAN KEY NOTES:

1) KITCHEN SINK W/DISP.
2) DISHWASHER
3) RANGE WITH HOOD
4) REFRIGERATOR
5/ WATER HEATER
6) STACK WASHER/DRYER
7) CLOSET ROD AND SHELF
8) VANITY
9) TUB/SHOWER w/STANDARD SHOWER HEAD AND VALVES
10) TOILET
11) TOILET WITH GRAB BARS - SEE SHEETS A005 & A006
12) MIRROR
13) VANITY LIGHT
14) TOILET PAPER HOLDER
15) 24" DOUBLE TOWEL BAR
16) 15" SINGLE TOWEL BAR
17) 5 FT. COAT HOOK BOARD w/ 9 MTL. HOOKS
18) 3FT COAT HOOK BOARD w/ 5 MTL. HOOKS
19) WASHER & DRYER SIDE-BY-SIDE - COMPLY WITH ANSI A117.1 ACCESSIBILTY - SEE SHEET A006
20) ANSI A117.1 COMPLIANT SHOWER HEAD WITH SLIDING BAR
21) ANSI COMPLIANT SIDE-BY-SIDE WASHER/DRYER

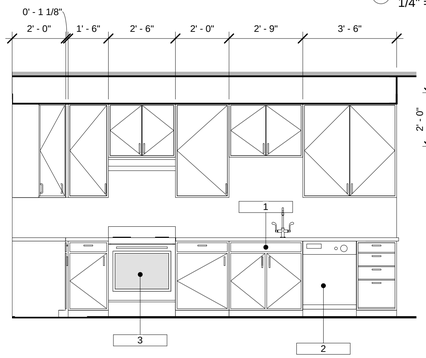
PLAN NOTES

1. SEE INDIVIDUAL UNIT FLOOR PLANS IN SECTION A3 FOR DETAILED INFORMATION. (DIMENSIONS, CONSTRUCTION, DOOR/WINDOW, ETC.)
2. SEE ENLARGED STAIR/ELEVATOR SHEETS A801 & A802 FOR DETAILED INFORMATION .
3. PROPERTY LINES SHOWN FOR GENERAL INFORMATION ONLY. SEE SITE PLAN IN SECTION A1 FOR PLACEMENT OF BUILDING.
4. SEE SITE PLAN IN SECTION A100 FOR DETAILED INFORMATION OR SITE FEATURES.
5. THE BUILDING IS TO BE FIRE SPRINKLERED THROUGHOUT,
6. FIRE EXTINGUISHERS ARE TO BE LOCATED NO MORE THAN 75 FT OF TRAVEL TO THE NEAREST EXTINGUISHER. EXTINGUISHERS TO COMPLY WITH IFC 2009 906.1, BMC 20.08.22 AND NFPA 10.
7. FIRE EXTINGUISHER BOXES TO BE SURFACE MOUNT AT GARAGE COLUMNS/CONCRETE WALLS, ELSE SEMI-RECESSED WITH 4" MAX. PROTRUSION. BASE OF CABINET TO BE 27" MIN. A.F.F.
8. AUDIBLE AND VISIBLE ALARMS
   VISIBLE AND AUDIBLE NOTIFICATION DEVICES, SMOKE ALARMS AND EMERGENCY VOICE/ALARM COMMUNICATION SYSTEMS. AUDIBLE ALARMS (SECTION 907) MUST BE PROVIDED TO SERVE ALL OCCUPIABLE AREAS WHERE A FIRE ALARM SYSTEM IS REQUIRED BY THE CODE.
   VISIBLE ALARMS MUST BE PROVIDED IN AREAS WHERE THE AMBIENT NOISE LEVEL IS SUCH THAT AUDIBLE ALARMS MAY NOT BE HEARD (SECTION 907.5.2.1.2).
9. VISIBLE ALARMS ARE REQUIRED IN ALL PUBLIC-USE AND ALL COMMON-USE AREAS TO ALERTPEOPLE WITH HEARING IMPAIRMENTS (SECTION 907.5.2.3.1)
10. GROUP R-2 RESIDENTIAL BUILDINGS (SECTION 907.5.2.3.3). WHEN A BUILDING IS REQUIRED TO HAVE A GENERAL EVACUATION ALARM, PUBLIC AREAS ROOMS ARE REQUIRED TO HAVE VISIBLE AND AUDIBLE ALARMS. THE GENERAL ALARM NOTIFICATION MUST BE AUDIBLE WITHIN THE RESIDENTIAL UNITS. VISIBLE ALARM NOTIFICATION APPLIANCES ARE NOT REQUIRED WITHIN EACH UNIT, BUT VISIBLE NOTIFICATION CAN BE EASILY MADE AVAILABLE WHEN REQUESTED FOR PERSONS WITH HEARING IMPAIRMENTS, VIA THE SMOKE ALARMS WITHIN THEIR UNITS.
11. SINGLE- OR MULTIPLE-STATION SMOKE ALARMS ARE REQUIRED WITHIN EACH SLEEPING ROOM, IMMEDIATELY OUTSIDE OF ALL SLEEPING ROOMS, AND ON EACH FLOOR LEVEL IN A SUITE OR DWELLING UNIT (SECTION 907.2.11.2).
12. WHEN MULTIPLE SMOKE ALARMS ARE INSTALLED IN A UNIT, THEY MUST BE INTERCONNECTED (SECTION 907.2.11.5). IN GROUP R-2 FACILITIES, WHEN A BUILDING EVACUATION ALARM SYSTEM IS INSTALLED, A WIRE FROM THE GENERAL SYSTEM MUST BE PROVIDED TO ONE OF THE SMOKE DETECTORS IN THE UNIT (SECTION 907.5.2.3.3 AND ICC/ANSI A117.1, STANDARD ON ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, SECTION 1006.4).
13. WHEN A PERSON WITH A HEARING IMPAIRMENT WANTS VISIBLE NOTIFICATION IN THEIR APARTMENT, IT IS EASY TO SWITCH OUT THE TYPICAL AUDIBLE SMOKE DETECTORS FOR SMOKE DETECTORS THAT HAVE VISIBLE AND AUDIBLE ALARMS (NOTE: ALARM DEVICES MUST BE LISTED FOR THE PURPOSE THEY ARE TO SERVE). THROUGH THE EXISTING WIRING, THE GENERAL BUILDING EVACUATION ALARM WILL BE CONNECTED TO THE SMOKE DETECTORS.
14. DIMENSIONS ARE TO THE FACE OF STUD (F.O.S.), FACE OF CONCRETE (F.O.C.), FACE OF POST (F.O.P.) OR CENTERLINE OF PARTY WALLS, CENTERLINE OF DOORS, AND CENTERLINE OF WINDOWS U.N.O. VERIFY ALL DIMENSIONS.
15. AT TUBS AND SHOWERS, EXTEND TYPE 'X' GWB TO BASE PLATE, TO ACHIEVE FIRE RATING USE WR GWB OVER SUCH TYPE 'X' LAYER AS REQUIRED AT PARTY AND CORRIDOR WALLS.
16. ALL 2'-10" DOORS SHOWN IN TYPE 'A' UNITS SHALL MAINTAIN 2'-8" CLEAR MINIMUM OPENING WHEN DOOR IS OPEN IN THE 90 DEGREE POSITION PER ICC/ ANSI A117.1-2009, SECTION 404.2.2.
17. REINFORCEMENT SHALL BE PROVIDED FOR THE FUTURE INSTALLATION OF GRAB BARS AND SHOWER SEATS AT WATER CLOSETS, BATHTUBS, AND SHOWER COMPARTMENTS PER ICC/ANSI A117.1-2009 SEC. 1003.11.4 AND 1004.11.2
18. SEE SECTION SHEETS A005, A006, AND A007 FOR BARRIER-FREE REQUIREMENTS FOR COUNTERS, WORKSURFACES, BATHROOMS ETC. TYPE 'A' DWELLING UNITS
19. PROVIDE DENSHIELD, DUROCK, OR EQUIVILANT WATER RESISTANT WALLBOARD AT TUB/SHOWER AND OTHER WET LOCATIONS.

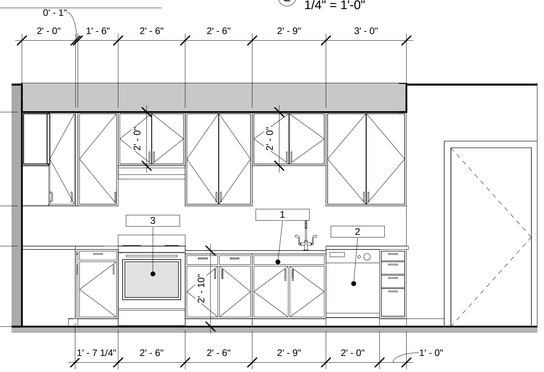
1 Unit F - Enlarged Plan
1/4" = 1'-0"



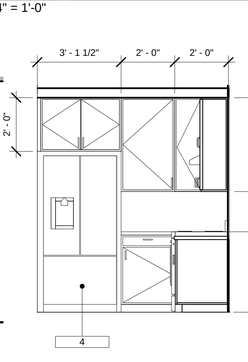
1A Unit F/A Enlarged Plan
1/4" = 1'-0"



2 Unit F - Ceiling Plan
1/4" = 1'-0"



3 Unit F - Kitchen North
3/8" = 1'-0"



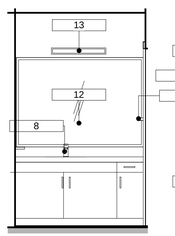
4 Unit F - Kitchen East
3/8" = 1'-0"

9 Unit F/A Kitchen North
3/8" = 1'-0"

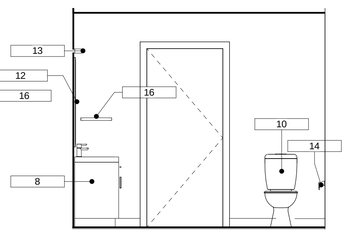
10 Unit F/A Kitchen East
3/8" = 1'-0"

SYMBOLS & LEGEND:

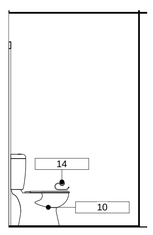
- F — EXHAUST FAN: SEE SECTION G FOR ENERGY COMPLIANCE.
- SD (2) — 110V SMOKE DETECTOR W/ DISCONNECTION SWITCH & BATTERY BACKUP, INTERCONNECT WITHIN INDIVIDUAL DWELLING UNITS PER IBC SECTION 907.2.11.2. SEE UNIT PLANS.
- SD/CO (2) — **SD/CO** DENOTES COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR. 110V W/ DISCONNECTION SWITCH & BATTERY BACKUP, INTERCONNECT WITHIN INDIVIDUAL DWELLING UNITS PER IBC SECTIONS 907.2.11.2 AND 907.2.9.3. SEE UNIT PLANS.
- EXIT — ILLUMINATED EXIT SIGN AS NOTED AND PER IBC 1011.
- E — EMERGENCY LIGHT PER IBC 1006.
- 1 — INDICATES WALL TYPE: SEE WALL ASSEMBLY SCHEDULE
- F.E. — FIRE EXTINGUISHERS PER IFC. SEE EGRESS PLANS IN SECTION G CLASS 3A TYP. U.N.O.
- 1 — INDICATES WINDOW TYPE: SEE WINDOW SCHEDULE IN SECTION A601
- 001 — INDICATES DOOR TYPE: SEE DOOR SCHEDULE IN SECTION A601
- # — INDICATES PARKING STALL COUNT.
- INDICATES 60" DIAMETER UNOBSTRUCTED FLOOR SPACE. SEE UNIT PLANS AND ENLARGED PLANS
- INDICATES 30" X 48" MANEUVERING SPACE. SEE UNIT PLANS AND ENLARGED PLANS.
- INDICATES CEILING OR SOFFIT 7'-6" AFF TYP. U.N.O. SOFFIT TO T.O. UPPER CABINETS @ KITCHENS TYP.
- PAINTED STRIPE AREA PER CITY REQUIREMENTS



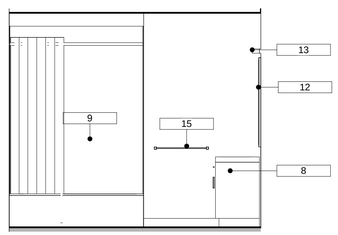
5 Unit F - Bath West
3/8" = 1'-0"



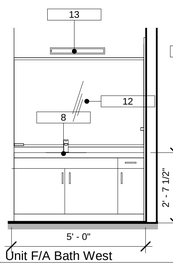
6 Unit F - Bath North
3/8" = 1'-0"



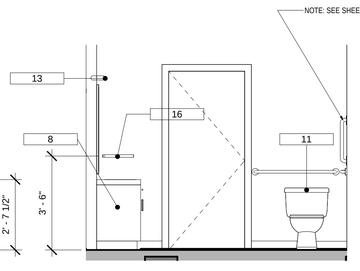
7 Unit F - Bath East
3/8" = 1'-0"



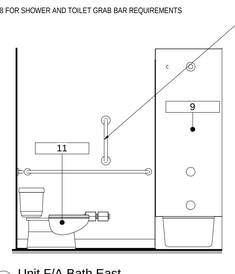
8 Unit F - Bath South
3/8" = 1'-0"



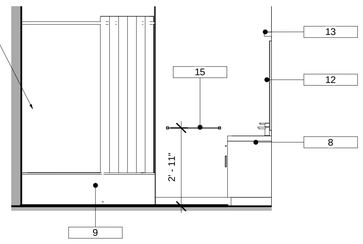
11 Unit F/A Bath West
3/8" = 1'-0"



12 Unit F/A - Bath North
3/8" = 1'-0"



13 Unit F/A Bath East
3/8" = 1'-0"



14 Unit F/A Bath South
3/8" = 1'-0"

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

REGISTERED ARCHITECT 7227 DALE SWEENEY STATE OF WASHINGTON

REVISIONS NO.	DATE	Revision Description

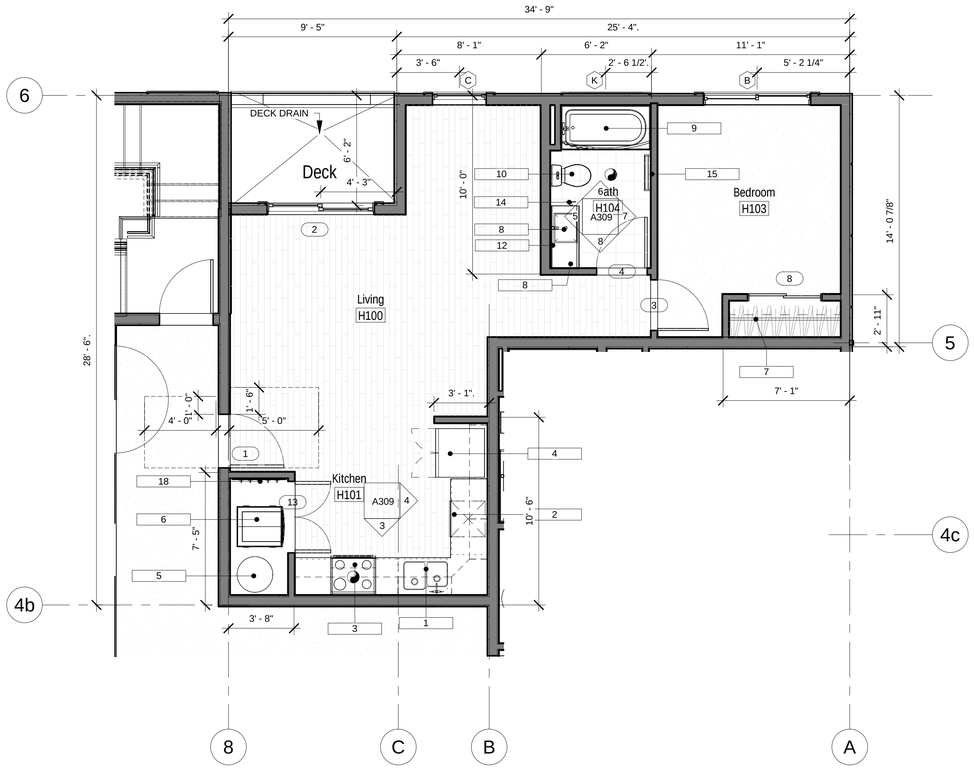
JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/(SD):

TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

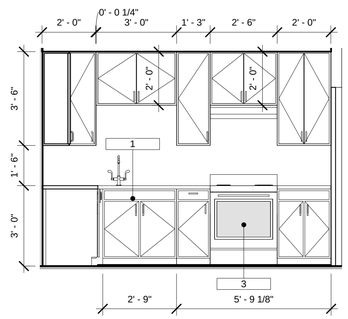
UNIT PLAN F

PRINT DATE:
2/15/2021 12:47:04 PM

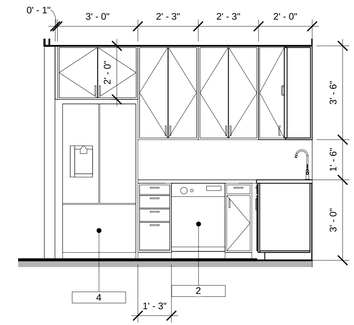
SHEET NO.
A306



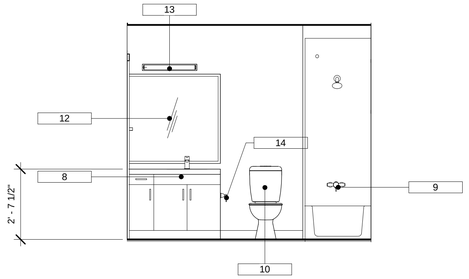
1 Unit H - Enlarged Plan
1/4" = 1'-0"



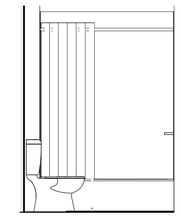
3 Unit H - Kitchen South
3/8" = 1'-0"



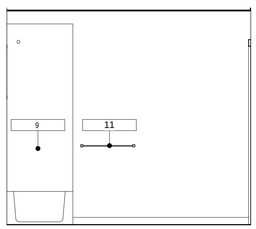
4 Unit H - Kitchen East
3/8" = 1'-0"



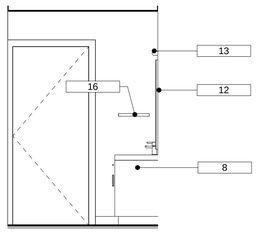
5 Unit H - Bath West
3/8" = 1'-0"



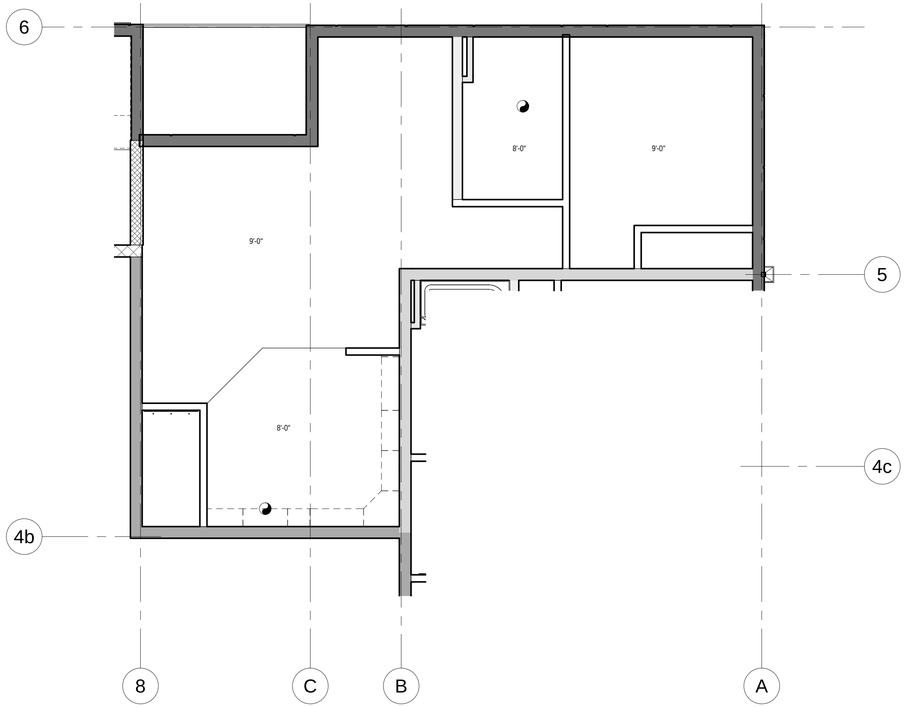
6 Unit H - Bath North
3/8" = 1'-0"



7 Unt H- Bath East
3/8" = 1'-0"



8 Unit H - Bath South
3/8" = 1'-0"



2 Unit H - Ceiling Plan
1/4" = 1'-0"

PLAN KEY NOTES:

1) KITCHEN SINK W/DISP.
2) DISHWASHER
3) RANGE WITH HOOD
4) REFRIGERATOR
5/ WATER HEATER
6) STACK WASHER/DRYER
7) CLOSET ROD AND SHELF
8) VANITY
9) TUB/SHOWER w/STANDARD SHOWER HEAD AND VALVES
10) TOILET
11) TOILET WITH GRAB BARS - SEE SHEETS A005 & A006
12) MIRROR
13) VANITY LIGHT
14) TOILET PAPER HOLDER
15) 24" DOUBLE TOWEL BAR
16) 15" SINGLE TOWEL BAR
17) 5 FT. COAT HOOK BOARD w/ 9 MTL. HOOKS
18) 3FT COAT HOOK BOARD w/ 5 MTL. HOOKS
19) WASHER & DRYER SIDE-BY-SIDE - COMPLY WITH ANSI A117.1 ACCESSIBILTY - SEE SHEET A006
20) ANSI A117.1 COMPLIANT SHOWER HEAD WITH SLIDING BAR
21) ANSI COMPLIANT SIDE-BY-SIDE WASHER/DRYER

PLAN NOTES

1. SEE INDIVIDUAL UNIT FLOOR PLANS IN SECTION A3 FOR DETAILED INFORMATION. (DIMENSIONS, CONSTRUCTION, DOOR/WINDOW, ETC.)
2. SEE ENLARGED STAIR/ELEVATOR SHEETS A801 & A802 FOR DETAILED INFORMATION .
3. PROPERTY LINES SHOWN FOR GENERAL INFORMATION ONLY. SEE SITE PLAN IN SECTION A1 FOR PLACEMENT OF BUILDING.
4. SEE SITE PLAN IN SECTION A100 FOR DETAILED INFORMATION OR SITE FEATURES.
5. THE BUILDING IS TO BE FIRE SPRINKLERED THROUGHOUT,
6. FIRE EXTINGUISHERS ARE TO BE LOCATED NO MORE THAN 75 FT OF TRAVEL TO THE NEAREST EXTINGUISHER. EXTINGUISHERS TO COMPLY WITH IFC 2009 906.1, BMC 20.08.22 AND NFPA 10.
7. FIRE EXTINGUISHER BOXES TO BE SURFACE MOUNT AT GARAGE COLUMNS/CONCRETE WALLS, ELSE SEMI-RECESSED WITH 4" MAX. PROTRUSION. BASE OF CABINET TO BE 27" MIN. A.F.F.
8. AUDIBLE AND VISIBLE ALARMS
   VISIBLE AND AUDIBLE NOTIFICATION DEVICES, SMOKE ALARMS AND EMERGENCY VOICE/ALARM COMMUNICATION SYSTEMS. AUDIBLE ALARMS (SECTION 907) MUST BE PROVIDED TO SERVE ALL OCCUPIABLE AREAS WHERE A FIRE ALARM SYSTEM IS REQUIRED BY THE CODE.
   VISIBLE ALARMS MUST BE PROVIDED IN AREAS WHERE THE AMBIENT NOISE LEVEL IS SUCH THAT AUDIBLE ALARMS MAY NOT BE HEARD (SECTION 907.5.2.1.2).
9. VISIBLE ALARMS ARE REQUIRED IN ALL PUBLIC-USE AND ALL COMMON-USE AREAS TO ALERTPEOPLE WITH HEARING IMPAIRMENTS (SECTION 907.5.2.3.1)
   .
10. GROUP R-2 RESIDENTIAL BUILDINGS (SECTION 907.5.2.3.3). WHEN A BUILDING IS REQUIRED TO HAVE A GENERAL EVACUATION ALARM, PUBLIC AREAS ROOMS ARE REQUIRED TO HAVE VISIBLE AND AUDIBLE ALARMS. THE GENERAL ALARM NOTIFICATION MUST BE AUDIBLE WITHIN THE RESIDENTIAL UNITS. VISIBLE ALARM NOTIFICATION APPLIANCES ARE NOT REQUIRED WITHIN EACH UNIT, BUT VISIBLE NOTIFICATION CAN BE EASILY MADE AVAILABLE WHEN REQUESTED FOR PERSONS WITH HEARING IMPAIRMENTS, VIA THE SMOKE ALARMS WITHIN THEIR UNITS.
11. SINGLE- OR MULTIPLE-STATION SMOKE ALARMS ARE REQUIRED WITHIN EACH SLEEPING ROOM, IMMEDIATELY OUTSIDE OF ALL SLEEPING ROOMS, AND ON EACH FLOOR LEVEL IN A SUITE OR DWELLING UNIT (SECTION 907.2.11.2).
12. WHEN MULTIPLE SMOKE ALARMS ARE INSTALLED IN A UNIT, THEY MUST BE INTERCONNECTED (SECTION 907.2.11.5). IN GROUP R-2 FACILITIES, WHEN A BUILDING EVACUATION ALARM SYSTEM IS INSTALLED, A WIRE FROM THE GENERAL SYSTEM MUST BE PROVIDED TO ONE OF THE SMOKE DETECTORS IN THE UNIT (SECTION 907.5.2.3.3 AND ICC/ANSI A117.1, STANDARD ON ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, SECTION 1006.4).
13. WHEN A PERSON WITH A HEARING IMPAIRMENT WANTS VISIBLE NOTIFICATION IN THEIR APARTMENT, IT IS EASY TO SWITCH OUT THE TYPICAL AUDIBLE SMOKE DETECTORS FOR SMOKE DETECTORS THAT HAVE VISIBLE AND AUDIBLE ALARMS (NOTE: ALARM DEVICES MUST BE LISTED FOR THE PURPOSE THEY ARE TO SERVE). THROUGH THE EXISTING WIRING, THE GENERAL BUILDING EVACUATION ALARM WILL BE CONNECTED TO THE SMOKE DETECTORS.
14. DIMENSIONS ARE TO THE FACE OF STUD (F.O.S.), FACE OF CONCRETE (F.O.C.), FACE OF POST (F.O.P.) OR CENTERLINE OF PARTY WALLS, CENTERLINE OF DOORS, AND CENTERLINE OF WINDOWS U.N.O. VERIFY ALL DIMENSIONS.
15. AT TUBS AND SHOWERS, EXTEND TYPE 'X' GWB TO BASE PLATE, TO ACHIEVE FIRE RATING USE WR GWB OVER SUCH TYPE 'X' LAYER AS REQUIRED AT PARTY AND CORRIDOR WALLS.
16. ALL 2'-10" DOORS SHOWN IN TYPE 'A' UNITS SHALL MAINTAIN 2'-8" CLEAR MINIMUM OPENING WHEN DOOR IS OPEN IN THE 90 DEGREE POSITION PER ICC/ ANSI A117.1-2009, SECTION 404.2.2.
17. REINFORCEMENT SHALL BE PROVIDED FOR THE FUTURE INSTALLATION OF GRAB BARS AND SHOWER SEATS AT WATER CLOSETS, BATHTUBS, AND SHOWER COMPARTMENTS PER ICC/ANSI A117.1-2009 SEC. 1003.11.4 AND 1004.11.2
18. SEE SECTION SHEETS A005, A006, AND A007 FOR BARRIER-FREE REQUIREMENTS FOR COUNTERS, WORKSURFACES, BATHROOMS ETC. TYPE 'A' DWELLING UNITS
19. PROVIDE DENSHIELD, DUROCK, OR EQUIVILANT WATER RESISTANT WALLBOARD AT TUB/SHOWER AND OTHER WET LOCATIONS.

SYMBOLS & LEGEND:

- F — EXHAUST FAN: SEE SECTION G FOR ENERGY COMPLIANCE.
- SD — 110V SMOKE DETECTOR W/ DISCONNECTION SWITCH & BATTERY BACKUP, INTERCONNECT WITHIN INDIVIDUAL DWELLING UNITS PER IBC SECTION 907.2.11.2. SEE UNIT PLANS.
- SD/CO — **SD/CO** DENOTES COMBINATION SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR. 110V W/ DISCONNECTION SWITCH & BATTERY BACKUP, INTERCONNECT WITHIN INDIVIDUAL DWELLING UNITS PER IBC SECTIONS 907.2.11.2 AND 907.2.9.3. SEE UNIT PLANS.
- EXIT — ILLUMINATED EXIT SIGN AS NOTED AND PER IBC 1011.
- E — EMERGENCY LIGHT PER IBC 1006.
- 1 — INDICATES WALL TYPE: SEE WALL ASSEMBLY SCHEDULE
- F.E. — FIRE EXTINGUISHERS PER IFC. SEE EGRESS PLANS IN SECTION G CLASS 3A TYP. U.N.O.
- 1 — INDICATES WINDOW TYPE: SEE WINDOW SCHEDULE IN SECTION A601
- 001 — INDICATES DOOR TYPE: SEE DOOR SCHEDULE IN SECTION A601
- # — INDICATES PARKING STALL COUNT.
- INDICATES 60" DIAMETER UNOBSTRUCTED FLOOR SPACE. SEE UNIT PLANS AND ENLARGED PLANS
- INDICATES 30" X 48" MANEUVERING SPACE. SEE UNIT PLANS AND ENLARGED PLANS.
- INDICATES CEILING OR SOFFIT 7'-6" AFF TYP, U.N.O. SOFFIT TO T.O. UPPER CABINETS @ KITCHENS TYP.
- PAINTED STRIPE AREA PER CITY REQUIREMENTS

REGISTERED ARCHITECT
DALE SWEENEY
STATE OF WASHINGTON
7227

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

REVISIONS

NO.	DATE	Revision Description

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
RVSD:

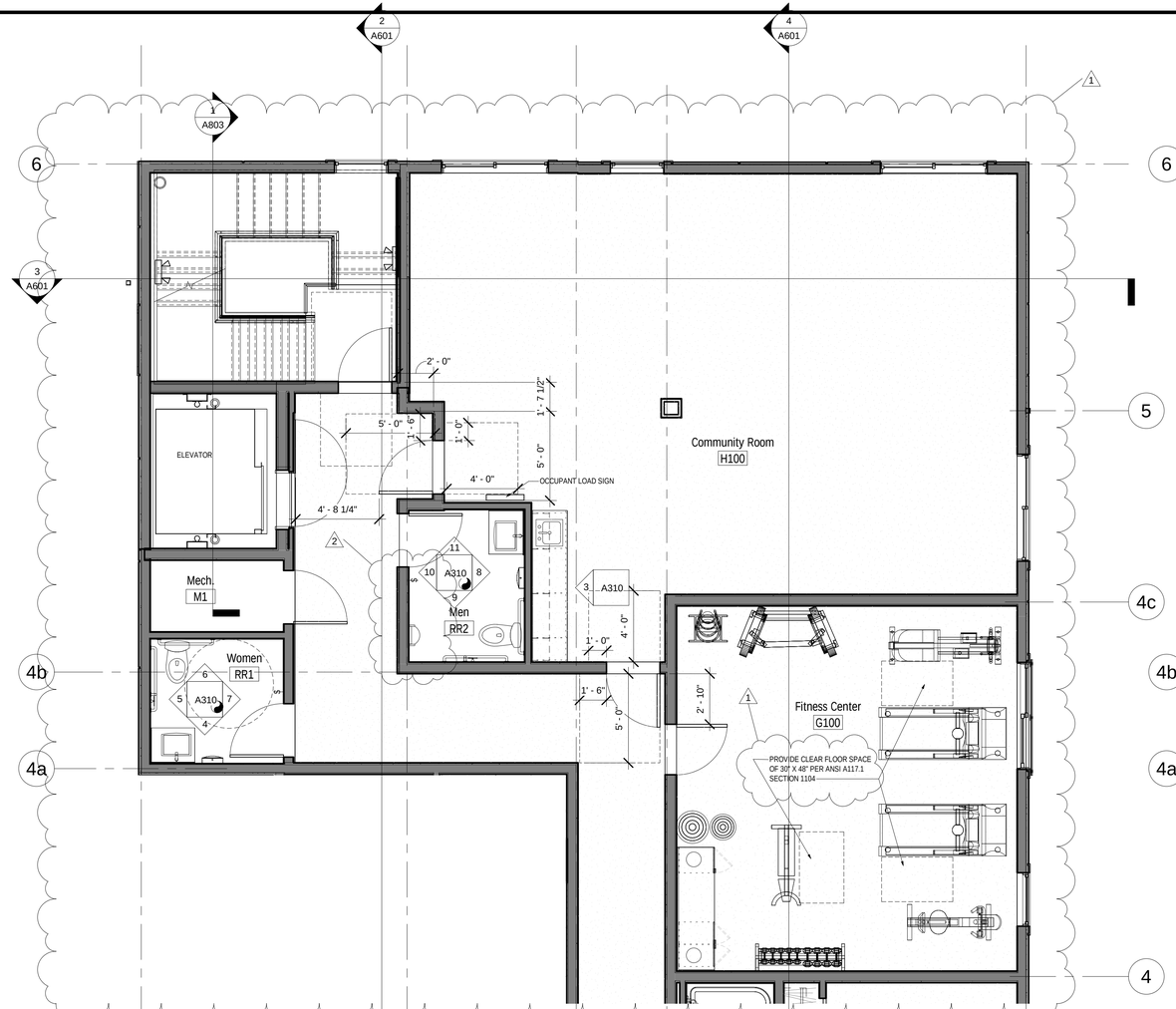
TP HOME 22 UNIT APTS. 2152

TP Home LLC
2152 N 185TH ST.

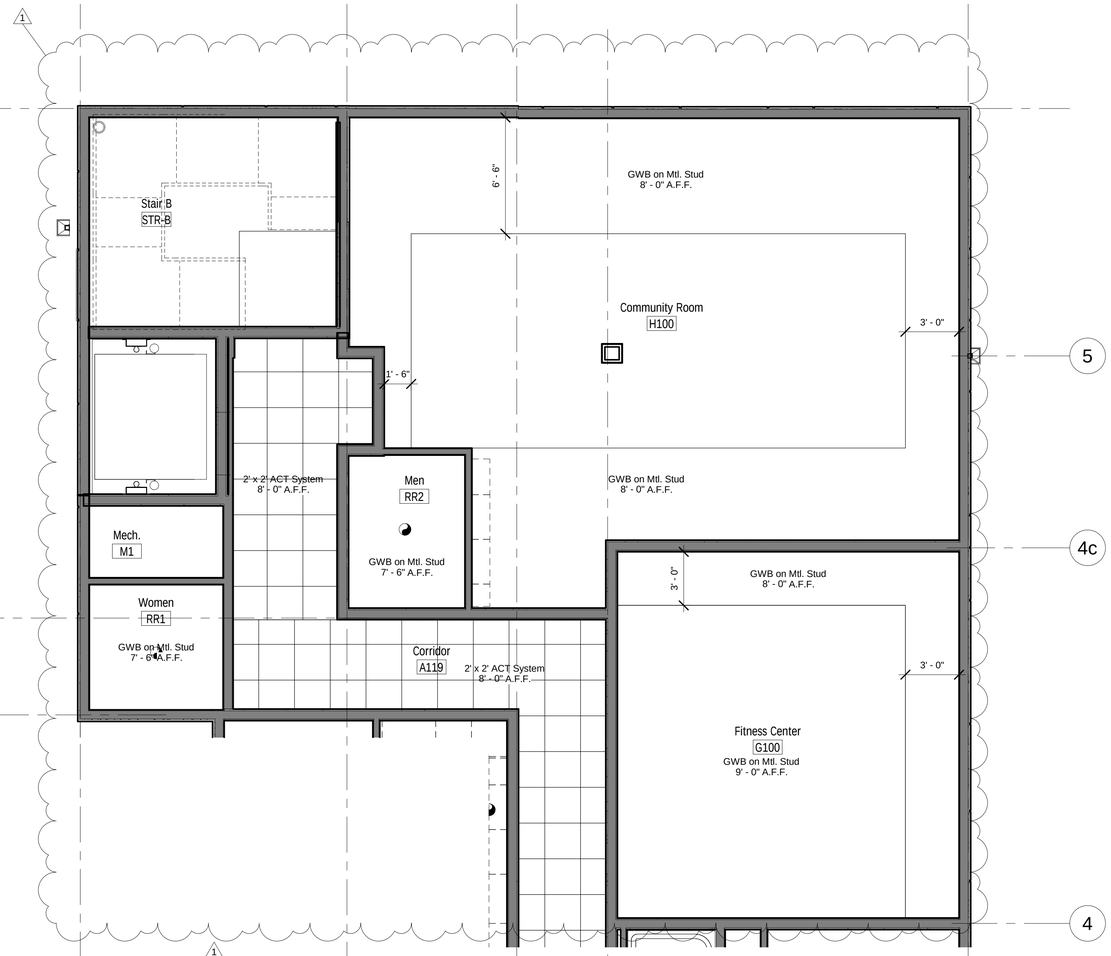
UNIT PLAN H

PRINT DATE:
2/15/2021 12:47:06 PM

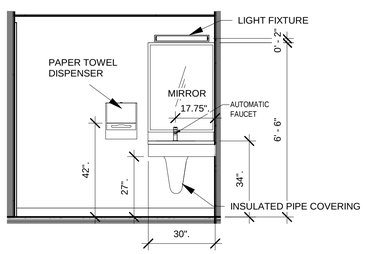
SHEET NO.
A309



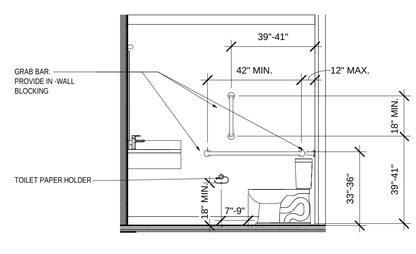
1 Community Room-Fitness Center
1/4" = 1'-0"



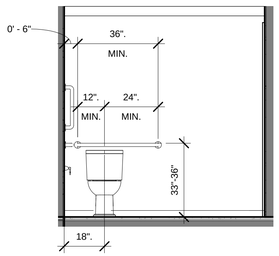
2 Community/Fitness - Ceiling Plan
1/4" = 1'-0"



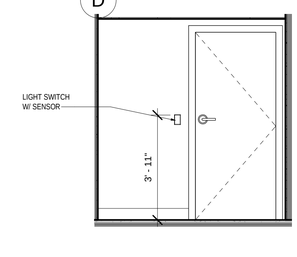
4 MENS RR SOUTH ELEVATION
3/8" = 1'-0"



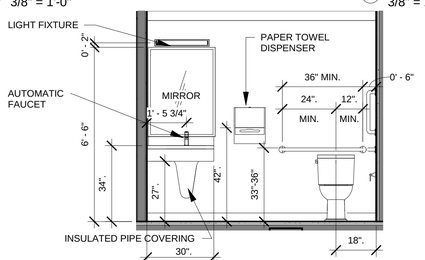
5 MENS RR WEST ELEVATION
3/8" = 1'-0"



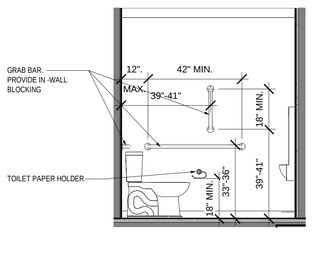
6 MENS RR NORTH ELEVATION
3/8" = 1'-0"



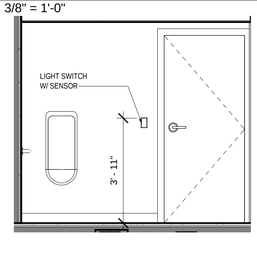
7 MENS RR EAST ELEVATION
3/8" = 1'-0"



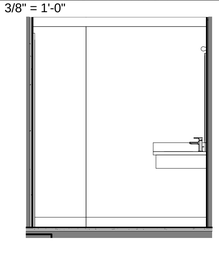
8 WOMENS RR EAST ELEVATION
3/8" = 1'-0"



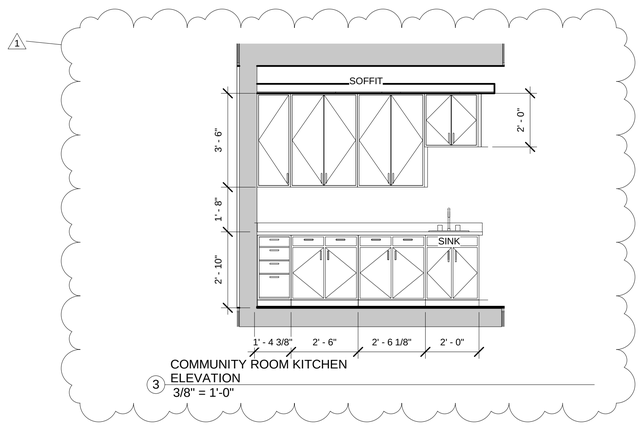
9 WOMENS RR SOUTH ELEVATION
3/8" = 1'-0"



10 WOMENS RR WEST ELEVATION
3/8" = 1'-0"



11 WOMENS RR NORTH
3/8" = 1'-0"



3 COMMUNITY ROOM KITCHEN ELEVATION
3/8" = 1'-0"

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

REGISTERED ARCHITECT
7227
DALE SWEENEY
STATE OF WASHINGTON

NO.	DATE	REVISIONS Revision Description
1	9/18/19	City Comments
2	4/28/20	City Comments

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/VSD:

TP HOME 22 UNIT
APTS. 2152
TP Home LLC
2152 N 185TH ST.

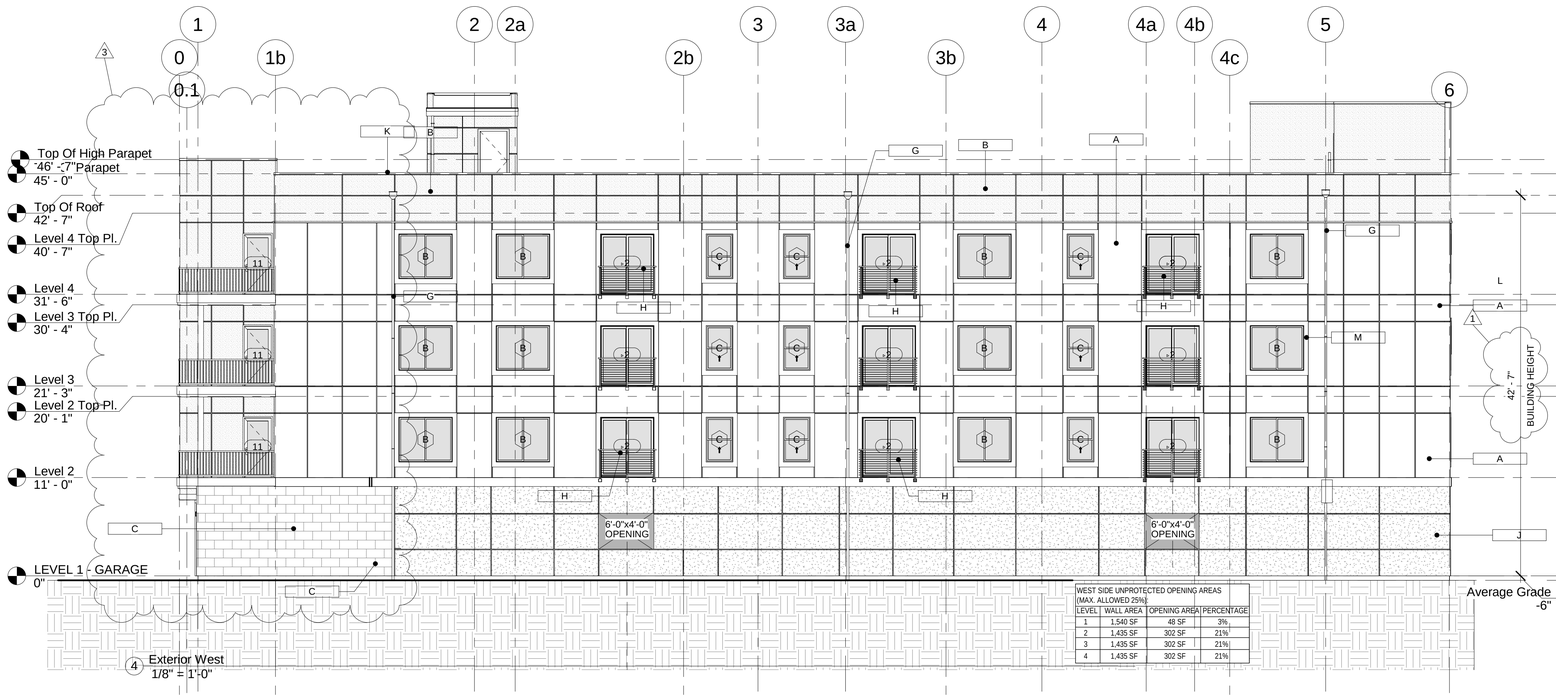
COMMUNITY ROOM - FITNESS ROOM

PRINT DATE:
2/15/2021 12:47:10 PM

SHEET NO.
A310

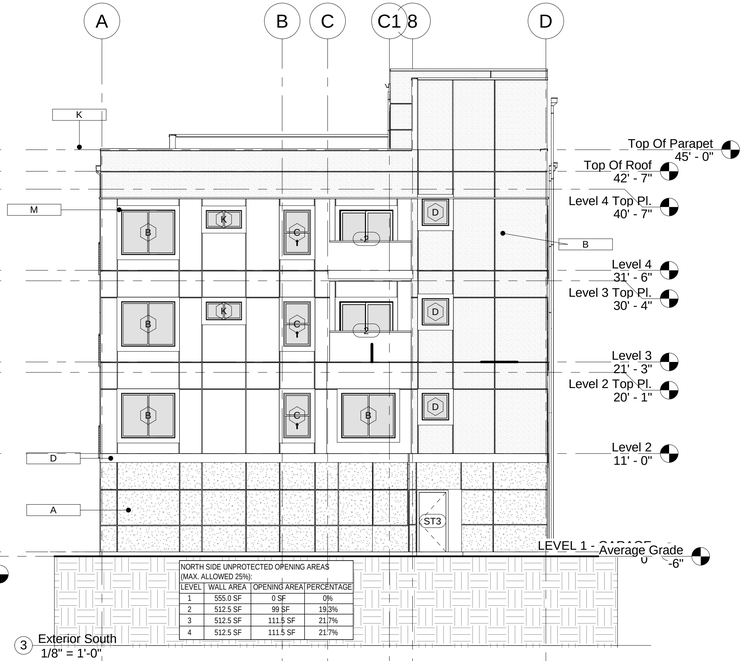
ELEVATION KEY NOTES:
BASIS OF COLORS - SHERWIN WILLIAMS

A) HARDIE REVEAL JOINT PANEL SIDING - SW7008 ALABASTER
B) HARDIE REVEAL JOINT PANEL SIDING - SW7023 REQUISITE GREY
C) STONE VENEER - CORONADO STONE COLOSSEUM TRAVERTINE BLACK FOREST
D) 1" X 11.25" 5/4 SMOOTH HARDIE TRIM BOARD - SW7645 THUNDER GRAY
E) .75" X 2.5" SMOOTH HARDIE BATTEN BOARD - SW7645 THUNDER GRAY
F) HARDIE CORNER TRIM - MATCH ADJACENT PANEL SIDING COLOR
G) SCUPPER (WITH OVERFLOW) AND DOWNSPOUT - MATCH ADJACENT PANEL SIDING COLOR - SEE DETAIL 3/A904
H) ALUM./CABLE RAILING 42" ABOVE FIN. FLOOR - 4" BALL SHALL NOT BE ABLE TO PASS THROUGH
J) FIBER-CEMENT PANEL SIDING - HARDIE REVEAL-JOINT - SW7645 THUNDER GRAY
K) ALUM. COPING
L) JOINT
M) 1" X 5.5" SMOOTH HARDIE TRIM BOARD WINDOW TRIM - SW7645 THUNDER GRAY



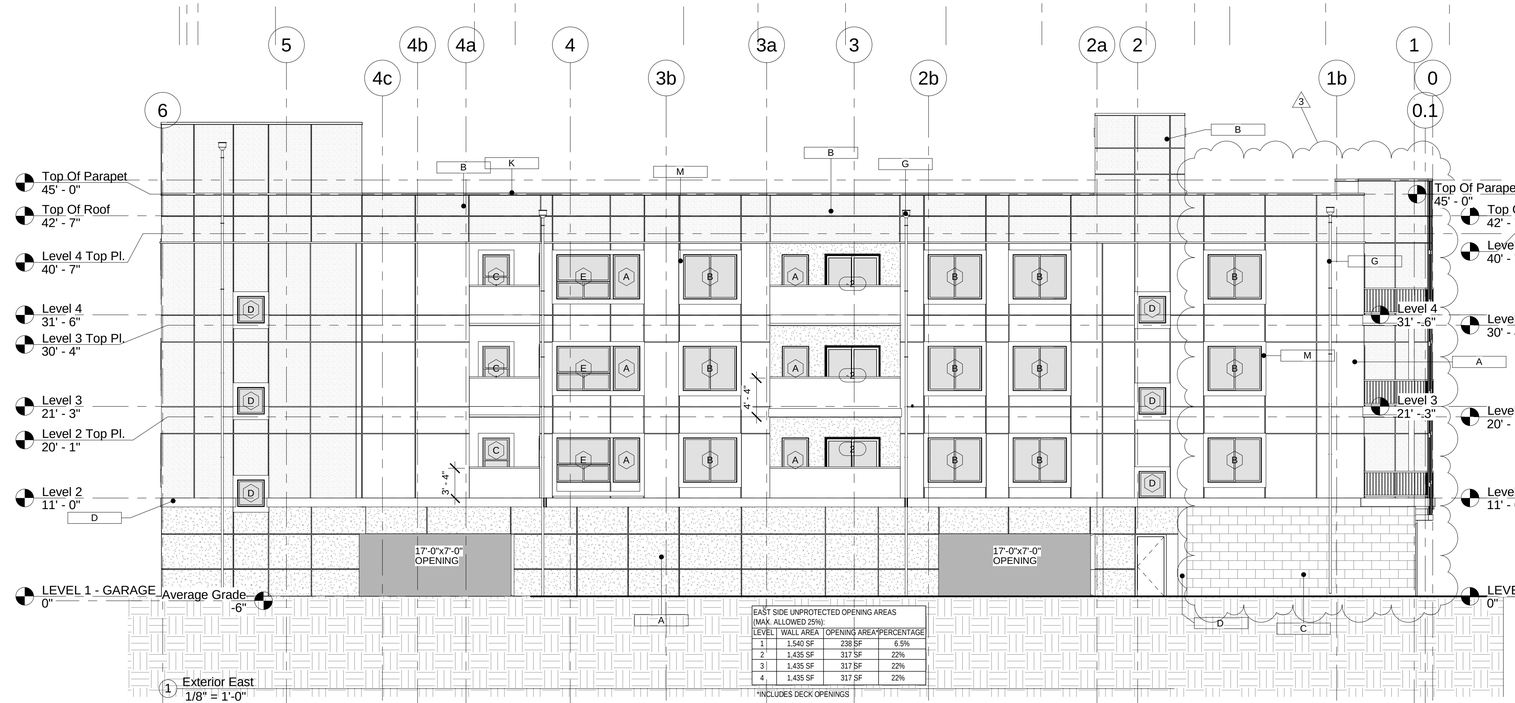
WEST SIDE UNPROTECTED OPENING AREAS (MAX. ALLOWED 25%):			
LEVEL	WALL AREA	OPENING AREA	PERCENTAGE
1	1,540 SF	48 SF	3%
2	1,435 SF	302 SF	21%
3	1,435 SF	302 SF	21%
4	1,435 SF	302 SF	21%

4 Exterior West
1/8" = 1'-0"



NORTH SIDE UNPROTECTED OPENING AREAS (MAX. ALLOWED 25%):			
LEVEL	WALL AREA	OPENING AREA	PERCENTAGE
1	555.0 SF	0 SF	0%
2	512.5 SF	99 SF	19.3%
3	512.5 SF	111.5 SF	21.7%
4	512.5 SF	111.5 SF	21.7%

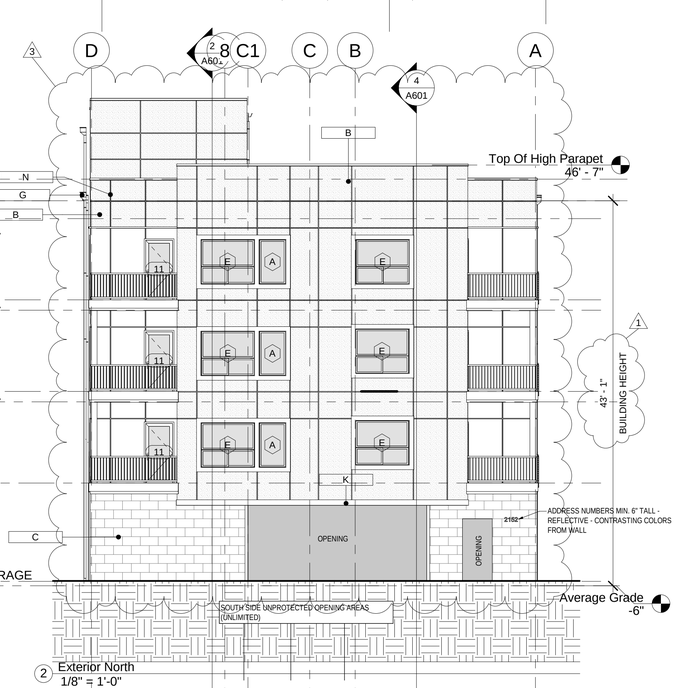
3 Exterior South
1/8" = 1'-0"



EAST SIDE UNPROTECTED OPENING AREAS (MAX. ALLOWED 25%):			
LEVEL	WALL AREA	OPENING AREA*	PERCENTAGE
1	1,540 SF	238 SF	6.5%
2	1,435 SF	317 SF	22%
3	1,435 SF	317 SF	22%
4	1,435 SF	317 SF	22%

*INCLUDES DECK OPENINGS

1 Exterior East
1/8" = 1'-0"



SOUTH SIDE UNPROTECTED OPENING AREAS (UNLIMITED)

2 Exterior North
1/8" = 1'-0"

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

REGISTERED ARCHITECT
7227
DALE SWEENEY
STATE OF WASHINGTON

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/SD:

REVISIONS

NO.	DATE	Revision Description
1	8/18/19	City Comments
3	1/15/21	City Comments

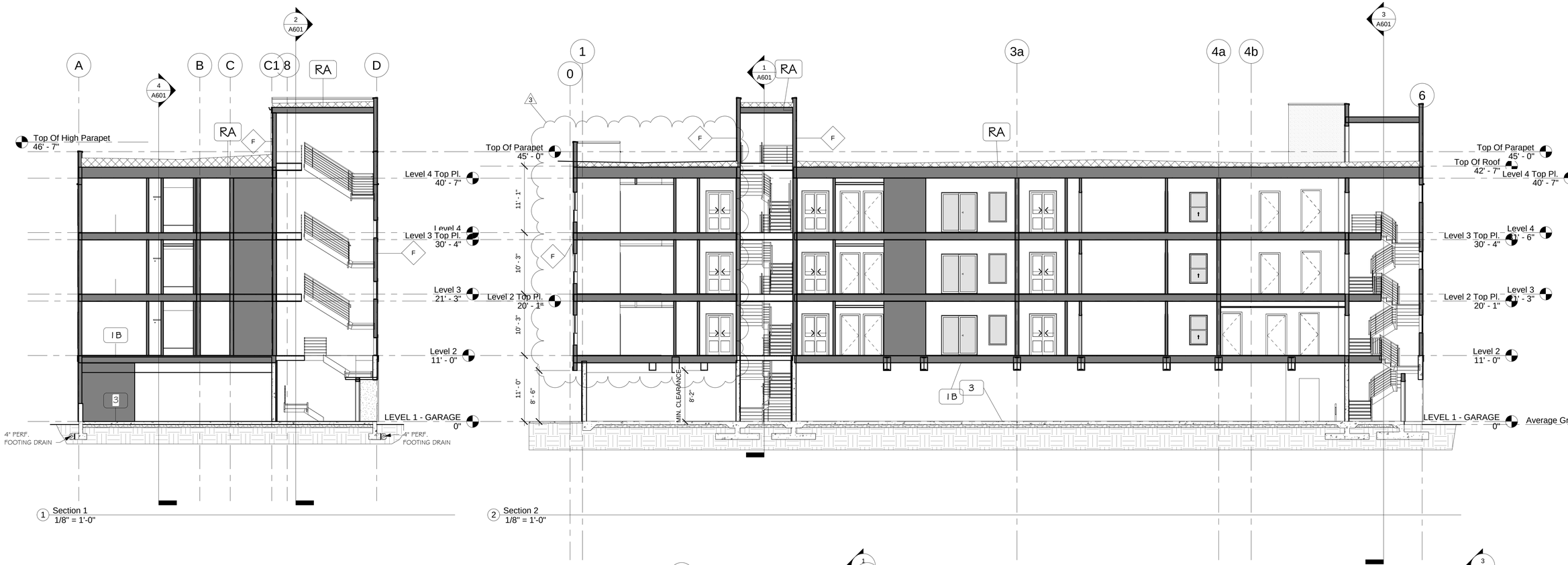
TP HOME 22 UNIT APTS. 2152

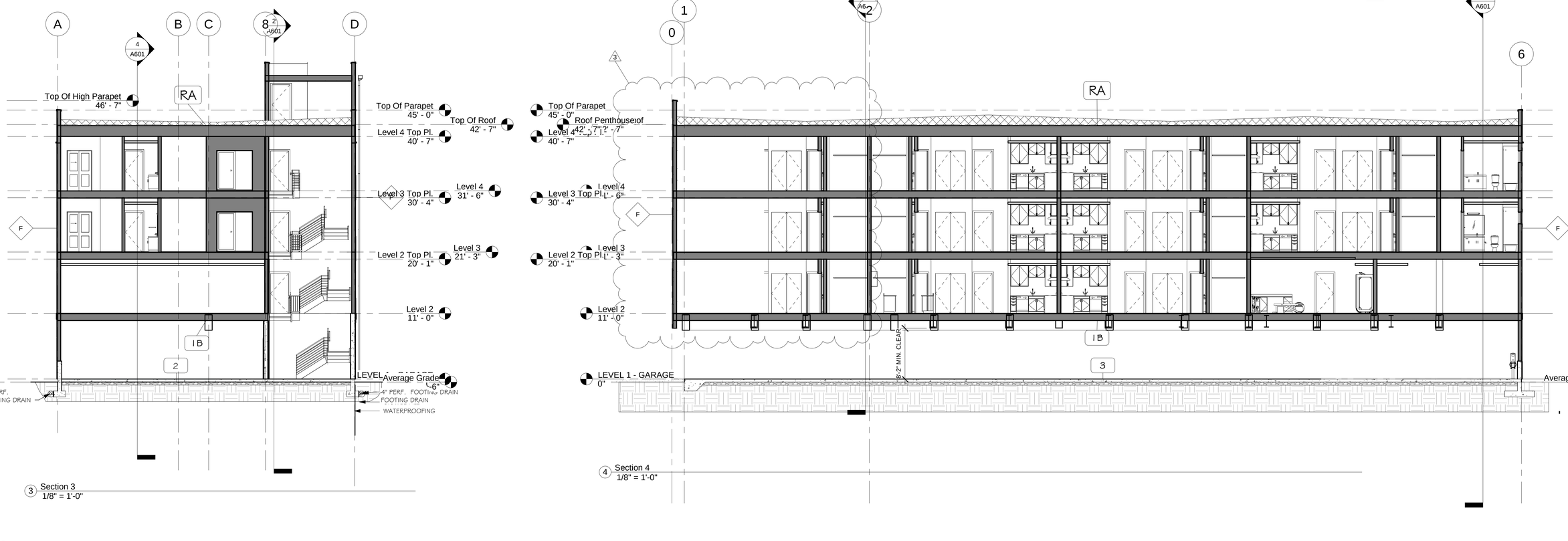
TP Home LLC
2152 N 185TH ST.

ELEVATIONS

PRINT DATE:
2/15/2021 12:47:35 PM

SHEET NO.
A501





REGISTERED ARCHITECT
7227
DALE SWEENEY
STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
RVSD:

REVISIONS

NO.	DATE	Revision Description
3	1/15/21	City Comments

TP HOME 22 UNIT APTS. 2152

TP Home LLC
2152 N 185TH ST.

BUILDING SECTIONS

PRINT DATE:
2/15/2021 12:47:37 PM

SHEET NO.
A601

TYPICAL DOOR NOTES:

1. SEE ARCHITECTURAL FLOOR PLANS FOR DOORS LOCATIONS AND DESIGNATIONS.
2. INTERIOR UNIT DOORS ARE CALLED OUT ON THE UNIT PLANS, AND THE NOMINAL WIDTH IS SHOWN. DOOR HEIGHTS TO BE 6'-8" TYP. (U.N.O.).
3. DOOR SWINGS PER PLANS
4. EXTERIOR DOORS MUST BE OPERABLE AT A MAXIMUM 8.5 POUNDS PRESSURE. INTERIOR DOORS MUST BE OPERABLE AT A MAXIMUM 5 POUNDS PRESSURE. ALL DOORS MUST BE OPERABLE BY WRIST OR ARM PRESSURE.
5. SEE PLANS FOR DOOR HANDS.
6. FINISH DOOR HARDWARE PER OWNER'S SPECIFICATIONS, TYP. (U.N.O.)
7. PROVIDE SAFETY GLAZING PER GENERAL NOTES IN SHEET A003.
8. ALL DOOR HARDWARE MUST COMPLY WITH ALL ANSI A117.1 REQUIREMENTS
9. EXIT DOORS GENERAL, OPERATION, LOCK/LATCH/HARDWARE SHALL BE IN CONFORMANCE WITH ALL SECTIONS OF IBC SEC. 1008 AND 1018.1, AND SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR EFFORT. EXIT HARDWARE TO THE UNITS ARE TO ALLOW A SINGLE TURN OF THE KNOB (OR LEVER) TO DISENGAGE ANY SINGLE CYLINDER DEAD BOLTS CONTEMPLATED. FOR BARRIER FREE EXIT DOORS, ALSO SEE BARRIER FREE NOTES IN SHEET A007 - A010
10. ALL DOOR HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING HARDWARE SHALL ON DOORS REQUIRED TO BE ACCESSIBLE BY IBC CHAPTER 11 SHALL COMPLY WITH IBC SECTION 1008.1.9 AND NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING TWISTING OF THE WRIST TO OPERATE. SEE FIGURE 1008.1.9.1 THIS SHEET.
11. THERE SHALL NOT BE PROJECTIONS INTO THE CLEAR WIDTH LOWER THAN 34 INCHES ABOVE THE FLOOR OR GROUND. PROJECTIONS INTO THE WIDTH BETWEEN 34 AND 80 INCHES ABOVE THE FLOOR OR GROUND SHALL NOT EXCEED 4" PER IBC SECTION 1008.1.1.1 .
12. GUESTROOM ENTRY DOORS SHALL HAVE A MINIMUM STC RATING OF 30.
13. ALL FIRE RATED DOORS SHALL BE EQUIPPED WITH AN ACTIVE LATCH BOLT (INTREGAL WITH HARDWARE) THAT WILL SECURE THE DOOR WHEN CLOSED PER IBC 1008.1.10.
14. ALL DOORS SHALL BE EQUIPPED WITH LEVER TYPE ACTIVATING HARDWARE .PER ICC A117.1 EXCEPT WHERE PANIC HARDWARE IS PROVIDED.
15. GASKETS AT ALL FIRE RATED DOORS SHALL MEET THE REQUIREMENTS OF IBC 716.5.3.1 AND THE REQUIREMENTS FOR SMOKE AND DRAFT CONTROL DOOR ASSEMBLY TESTED IN ACCORDANCE WITH UL 1784. THE AIR LEAKAGE RATE OF THE DOOR ASSEMBLY SHALL NOT EXCEED 3.0 CUBIC FEET PER MINUTE PER SQUARE FOOT OF DOOR OPENING AT 0.10 INCH OF WATER FOR BOTH THE ANMIENT TEMPERATURE AND ELEVATED TEMPERATURE TESTS. LOUVERS ARE PROHIBITED. INSTALLATION OF SMOKDE DOORS SHALL BE IN ACCORDANCE WITH NFPA 105.

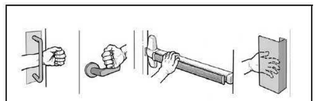
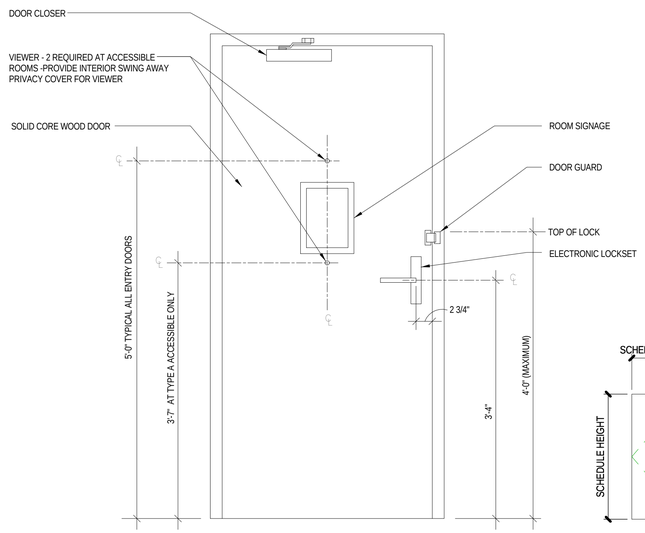
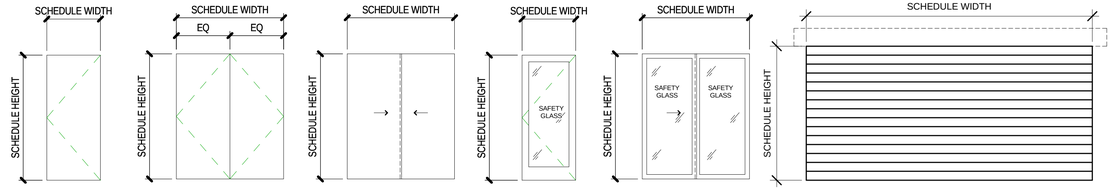


Figure 1008.1.9.1
DOOR HARDWARE



ENTRY
SINGLE SWING



TYPE 'A' SINGLE SWING | TYPE B PAIR SWING | TYPE C BI-PASS | TYPE D SINGLE SWING W/ GLASS LITE | TYPE E PATIO SLIDER | TYPE F ROLL-UP

1 DOOR TYPES
1/4" = 1'-0"

DOOR SCHEDULE

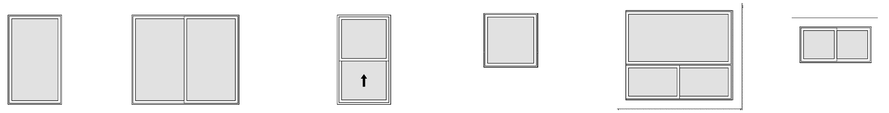
MARK	TYPE	SIZE WIDTH	SIZE HEIGHT	U-Value	PANEL FINISH	PANEL MATERIAL	Frame Material	HARDWARE	FIRE RATING	Count	Comments
1	ENTRY	3' - 0"	6' - 8"		PLAM	SCWD	MTL	1, 2, 3, 4, 5	20 MIN.	22	SELF-CLOSING - SMOKE GASKET
2	E	6' - 0"	6' - 8 1/2"	.30		GLASS-VINYL	VINYL	1, 4		14	WEATHER STRIPPING
3	A	2' - 10"	6' - 8"		WD PAINT	HCWD	WD	6		36	
4	A	2' - 10"	6' - 8"		WD PAINT	HCWD	WD			19	
5	A	2' - 8"	6' - 8"		WD PAINT	HCWD	WD	6		9	
8	D	4' - 0"	6' - 8"		WD PAINT	HCWD	WD			25	
9	E	5' - 0"	6' - 8"		WD PAINT	HCWD	WD			14	
10	A	2' - 10"	6' - 8"		WD PAINT	HCWD	WD			9	
11	D	3' - 0"	6' - 8"	.30		GLASS-VINYL	VINYL			9	WEATHER STRIPPING
13	E	4' - 0"	6' - 8"		WD PAINT	HCWD	WD	2		2	
14	A	2' - 10"	6' - 8"		PLAM	HCWD	MTL	2, 3, 4, 5	45 MIN	1	SELF-CLOSING - SMOKE GASKET
15	A	3' - 0"	6' - 8"		PLAM	SCWD	MTL	1, 2, 3, 4, 5	45 MIN	2	SELF-CLOSING - SMOKE GASKET
EL1	A	3' - 0"	7' - 0"		PLAM	SCWD	MTL		90MIN	3	SELF-CLOSING - SMOKE GASKET
M1	A	3' - 0"	6' - 8"		PLAM	SCWD	MTL	2, 4	20 MIN.	3	SELF-CLOSING - SMOKE GASKET
M2	A	3' - 0"	6' - 8"		PAINT	MTL	MTL	1, 4, 13		2	WEATHER STRIPPING
ST1	A	3' - 0"	6' - 8"		WD PAINT	SCWD	MTL	2, 3, 5	90 MIN.	7	SELF-CLOSING - SMOKE GASKET
ST3	A	3' - 0"	6' - 8"	.37	WD PAINT	SCWD	MTL	1, 3, 4	45 MIN.	2	WEATHER STRIPPING
ST4	A	3' - 0"	6' - 8"	.37	PAINT	MTL	MTL	1, 4, 13	90 MIN.	1	WEATHER STRIPPING

1 NOTE: ALL RATED DOOR AT CORRIDORS TO BE PROVIDED WITH SMOKE AND DRAFT WITH AN "S" LABEL

2 1

WINDOW SCHEDULE2

MARK	Width	Height	Operation	Frame	U-Value	SHGC	COUNT	COMMENTS	Material	Type
A	3' - 0"	5' - 0"	FIXED		.30	.40	9		Vinyl	36" x 72"
B	6' - 0"	5' - 0"	SLIDER		.30	.40	28		Vinyl	72" x 60"
C	3' - 0"	5' - 0"	SINGLE HUNG		.30	.40	15		Vinyl	36" x 60"
D	3' - 0"	3' - 0"	FIXED		.30	.40	9		Vinyl	36" x 36"
E	6' - 0"	5' - 0"	BOTTOM SLIDER		.30	.40	9		Vinyl	72" x 72"
K	4' - 0"	2' - 0"	SLIDER		.30	.40	2		Vinyl	48" x 24"
Grand total: 72							72			



A B C D E K

1015.8 Window openings. Windows in Group R-2 and R-3 buildings including *dwelling units*, where the top of the sill of an operable window opening is located less than 36 inches above the finished floor and more than 72 inches (1829 mm) above the finished grade or other surface below on the exterior of the building, shall comply with one of the following:

1. Operable windows where the top of the sill of the opening is located more than 75 feet (22 860 mm) above the finished grade or other surface below and that are provided with window fall prevention devices that comply with ASTM F2006.
2. Operable windows where the openings will not allow a 4-inch-diameter (102 mm) sphere to pass through the opening when the window is in its largest opened position.
3. Operable windows where the openings are provided with window fall prevention devices that comply with ASTM F2090.
4. Operable windows that are provided with window opening control devices that comply with Section 1015.8.1.

1

DOOR HARDWARE GROUPS AND FINISHES.

Hardware finishes and base metals shall be listed below, unless otherwise indicated.

Satin stainless steel (US32D) and satin chromium plated (US26D) finishes and base metals, unless otherwise indicated.

1.	Exterior Hinges	US32D on stainless steel.
2.	Interior Hinges	US26D on steel.
3.	Flush Bolts	US26D on brass or bronze.
4.	Locks -	US32D on stainless steel.
5.	Exit Devices	33 Series Sprayed Aluminum-689.
6.	Exit Devices -	99 Series Sprayed Aluminum-689.
7.	Pulls, Push Plates/Bars	US32D on stainless steel.
8.	Closers	Sprayed aluminum.
9.	Overhead Stops/Holders	US26D on brass or bronze.
10.	Kickplate	US32D on stainless steel.
11.	Door Edge Guards	US32D on stainless steel.
12.	Stops, Holders	US26D on brass or bronze.
13.	Thresholds	Mill on aluminum.
14.	Miscellaneous	US26D on brass or bronze.

Hardware on aluminum doors shall match finish of doors and frame.
1. US32 and US32D Solid 18-8 chromium-nickel, 300 Series, "Austenitic", non-magnetic.
   a.Straight chrome-irons (magnetic) are not acceptable, except as hinge pins.
   b.Items showing magnetic properties will be rejected.
   c.For items not available in US32 or US32D provide US26 or US26D.

Door Hardware Groups.

TYPE 1 - Apartment Entrance door.
Hinges: Construction, type and quantity as specified. Qty 3 per leaf 4-1/2 by 4-1/2-inches.
Lockset/Function: Electronic mortise lockset with throw deadbolt/ dead-locking latchbolt on interior room side.
Privacy Door Latch: Cannot be used to keep door ajar; Can be legally installed on fire rated openings.
Closer: Parallel arm closer with appropriate mounting and cover. Hardware. 1 Reqd.
Stop: Wall Stop, 1 Reqd.
Gaskets: Smoke, 1 set of double gasket system for single leaf door.
Accessories: Swing door guard, Door Viewer: Standard (160 degree) door viewer, UL Listed Glass Lens with manufacturer provided privacy cap, 1 each per door; for ADA Room 2 each per door. - All finishes to be US32D/ US26D.
Bottom Seal: Door bottom Seal - See ID10.20 for specification.
Threshold: Stone or PVC.

TYPE 2 - Bedroom/Study/Bathroom hinged door.
Hinges: Construction, type and quantity as specified. Qty 3 per leaf 4-1/2 by 4-1/2-inches.
Lockset/Function: Privacy, Bathroom or Bedroom Function ANSI F76, with privacy push button.
Inside button locks outside lever.
Stop: Floor or Wall Stop, 1 Reqd.
Door Silencers: 3 door silencers.

TYPE 3- Fitness room door/Community Room
Hinges: Construction, type and quantity as specified. Qty 3 per leaf 4-1/2 by 4-1/2-inches.
Lockset/Function: Electronic mortise lockset with free access on interior room side.
Closer: Parallel arm closer with appropriate mounting and cover. 1 Reqd.
Stop: Floor Stop, 1 Reqd.
Gaskets: Door Seal. Bottom Seal: Door bottom Seal - Threshold: Stone or PVC.

TYPE 4 - Single Swing Clost/Laundry
Hinges: Construction, type and quantity as specified. Qty 3 per leaf 4-1/2 by 4-1/2-inches.

TYPE 5 - Double Swing Clost/Laundry
Hinges: Construction, type and quantity as specified. Qty 3 per leaf 4-1/2 by 4-1/2-inches.

TYPE 6 - Deck Door Swing
Hinges: Construction, type and quantity as specified. Qty 3 per leaf 4-1/2 by 4-1/2-inches.
Lockset
Closer: Parallel arm closer with appropriate mounting and cover. 1 Reqd.
Gaskets: Weatherstripping, 1 set for single leaf door.
Door sweep: Neoprene with ½-inch sweep at door bottom with 1¼-inch aluminum extrusion
Threshold: Aluminum 5-inch saddle, ½-inch high.
Overhead Drip: 2-1/2-inch projection by full width of frame with clear anodized aluminum finish.

TYPE 7 - Stair entry door.
Hinges: Construction, type and quantity as specified. Qty 3 per leaf 4-1/2 by 4-1/2-inches.
Pull: 1 Pull Plate.
Lockset/Function: Passage Function ANSI F75, free access both sides.
Exit Device: Rim type Exit device.
Closer: Parallel arm closer with appropriate mounting and cover. 1 Reqd.
Stop: Wall Stop, 1 Reqd.
Gaskets: Fire, 1 set for single leaf door.

TYPE 8 - Stair exterior exit door, PANIC HARDWARE REQ.
Hinges: Construction, type and quantity as specified. Qty 3 per leaf 4-1/2 by 4-1/2-inches.
Lockset/Function: ANSI 02.
Closer: Parallel arm closer with appropriate mounting and cover. 1 Reqd.
Stop: Floor Stop or Overhead Stop, 1 Reqd.
Gaskets: Weatherstripping, 1 set for single leaf door.
Door sweep: Neoprene with ½-inch sweep at door bottom with 1¼-inch aluminum extrusion
Threshold: Aluminum 5-inch saddle, ½-inch high.
Overhead Drip: 2-1/2-inch projection by full width of frame with clear anodized aluminum finish.
Comments: .

TYPE 9 - Corridor/ Elevator Doors.
Hinges: Construction, type and quantity as specified. Qty 3 per leaf 4-1/2 by 4-1/2-inches.
Exit Device: Rim type Fire Rated Exit device with surface mounted top latch bolts, 2 Reqd.
Closer: Concealed door closer. 2 Reqd.
Door Hold Open Device: Wall mounted manual push release and automatic release in the event of fire alarm.
Stop: Wall Stop, 2 Reqd.
Gaskets: Smoke, 1 set of double gasket system for single leaf door.
Comments: Magnetic hold open connected to fire alarm.

TYPE 10 - Electrical/Mechanical Closet PANIC HARDWARE REQUIRED AT ELECTRICAL
Hinges: Construction, type and quantity as specified. Qty 3 per leaf 4-1/2 by 4-1/2-inches.
Lockset/Function: Electronic mortise lockset.
Exit Device: Rim type Exit device.
Closer: Parallel arm closer , 1 Reqd.
Stop: Overhead stop, 1 Reqd.
Door Edge Bolts: Door edge flush bolts, top on bottom.

REGISTERED ARCHITECT 7227 DALE SWEENEY STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/(S): -

REVISIONS

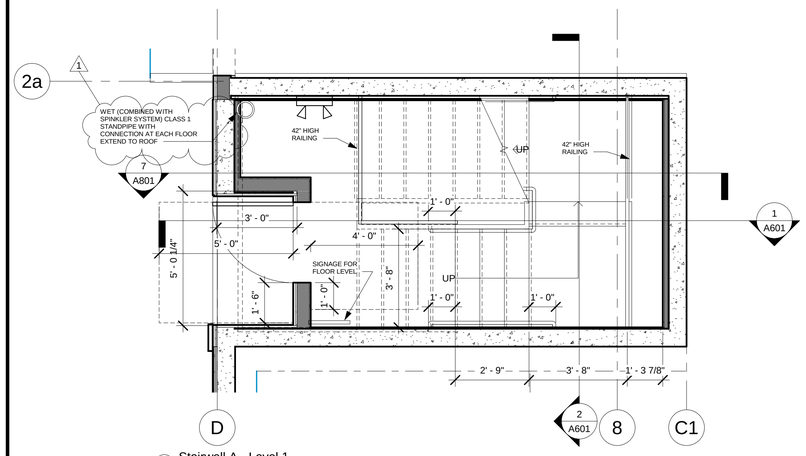
NO.	DATE	Revision Description
1	9/18/19	City Comments
2	4/28/20	City Comments

TP HOME 22 UNIT
APTS. 2152
TP Home LLC
2152 N 185TH ST.

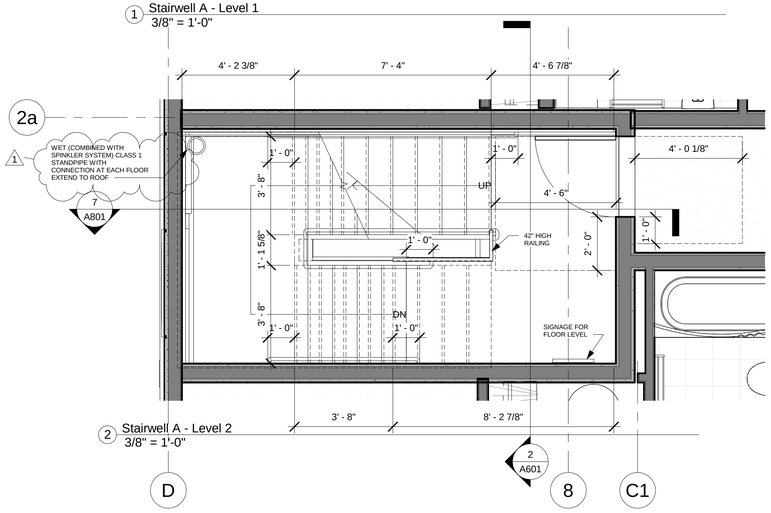
SCHEDULES

PRINT DATE:
2/15/2021 12:47:37 PM

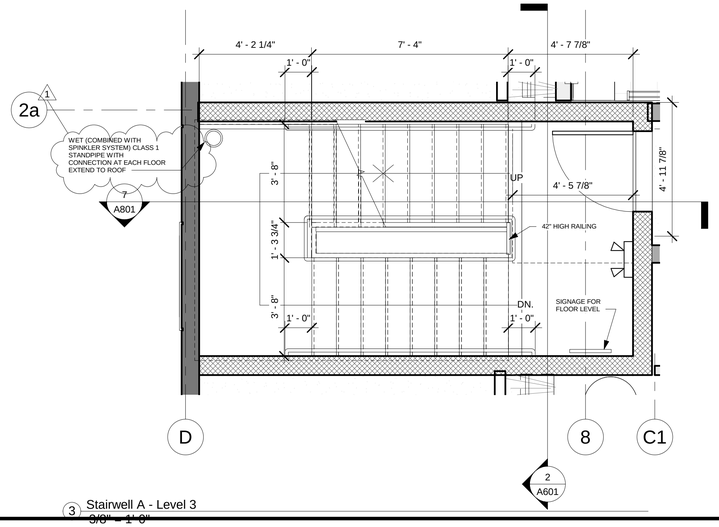
SHEET NO.
A701



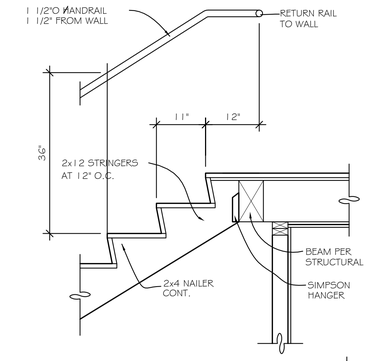
1 Stairwell A - Level 1
3/8" = 1'-0"



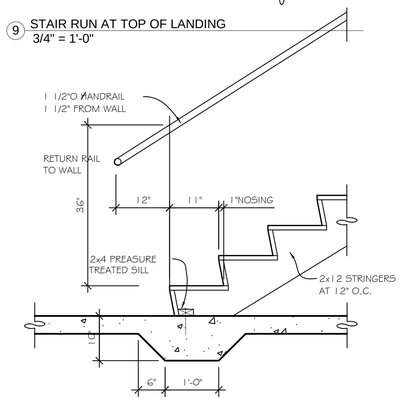
2 Stairwell A - Level 2
3/8" = 1'-0"



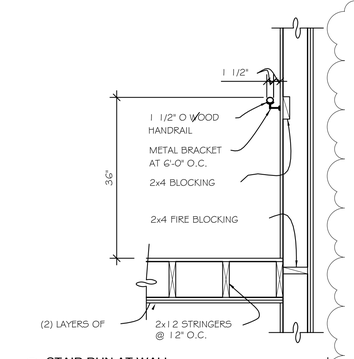
3 Stairwell A - Level 3
3/8" = 1'-0"



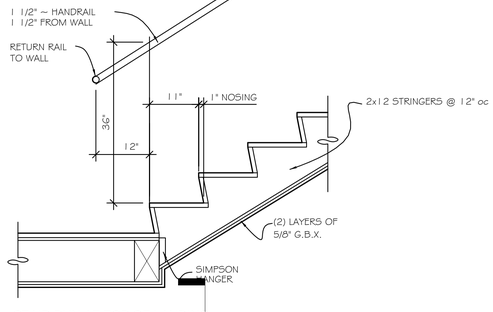
9 STAIR RUN AT TOP OF LANDING
3/4" = 1'-0"



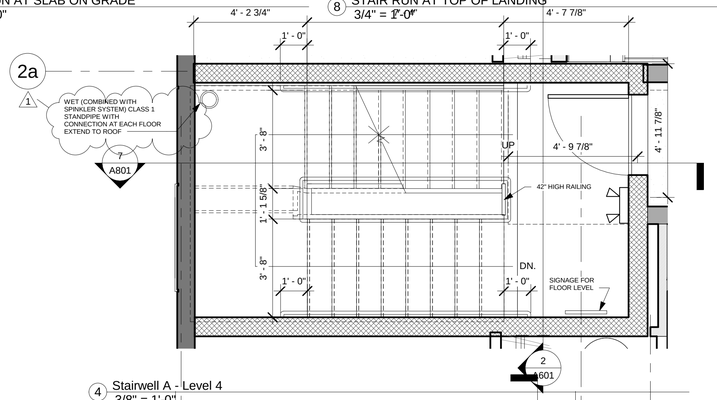
6 STAIR RUN AT SLAB ON GRADE
3/4" = 1'-0"



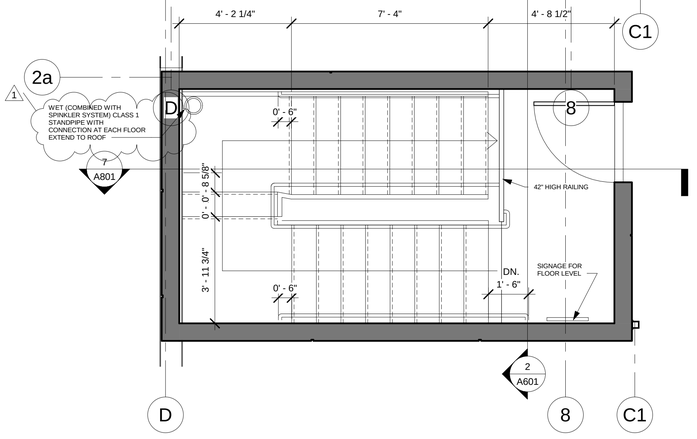
10 STAIR RUN AT WALL
3/4" = 1'-0"



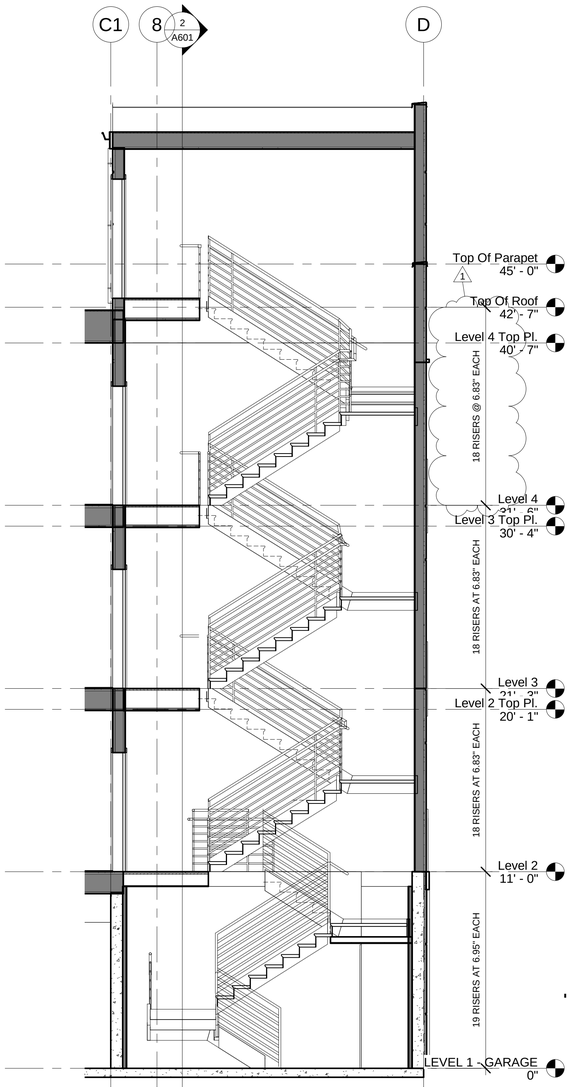
8 STAIR RUN AT TOP OF LANDING
3/4" = 1'-0"



4 Stairwell A - Level 4
3/8" = 1'-0"



5 Stairwell A-Rooftop
3/8" = 1'-0"



7 Stair A Section 1
1/4" = 1'-0"

STAIRWAY NOTES

All stairways shall be built of materials consistent with the types permitted for the type of construction of the building, except that wood handrails shall be permitted for all types of construction per IBC Section 1009.9

Penetrations other than those necessary for the purpose of the exit access stairway exclosure and exit passageway shall not be permitted in exit access stairway enclosures per IBC Sections 1009.3.1.5.1 and 1023.6.

Stairways shall maintain a minimum headroom clearance of 80 inches and minimum width of 44 inches per IBC Sections 1009.4 and 1009.5 except stairways serving an occupant load of less than 50 shall have a width of not less than 36 inches.

See Sheet G2.1, G2.2 for barrier free requirements

Provide a heat source in stairwells to keeps standpipe system above 40 degrees.

The leading 2" (51mm) of the tread shall have visual contrast of dark-on-lighter or light-on-dark from the remainder of the tread.

See Sheet A803 for Stair Signage Requirements

REGISTERED ARCHITECT
7227
DALE SWEENEY
STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/SD:

REVISIONS

NO.	DATE	Revision Description
1	9/18/19	City Comments

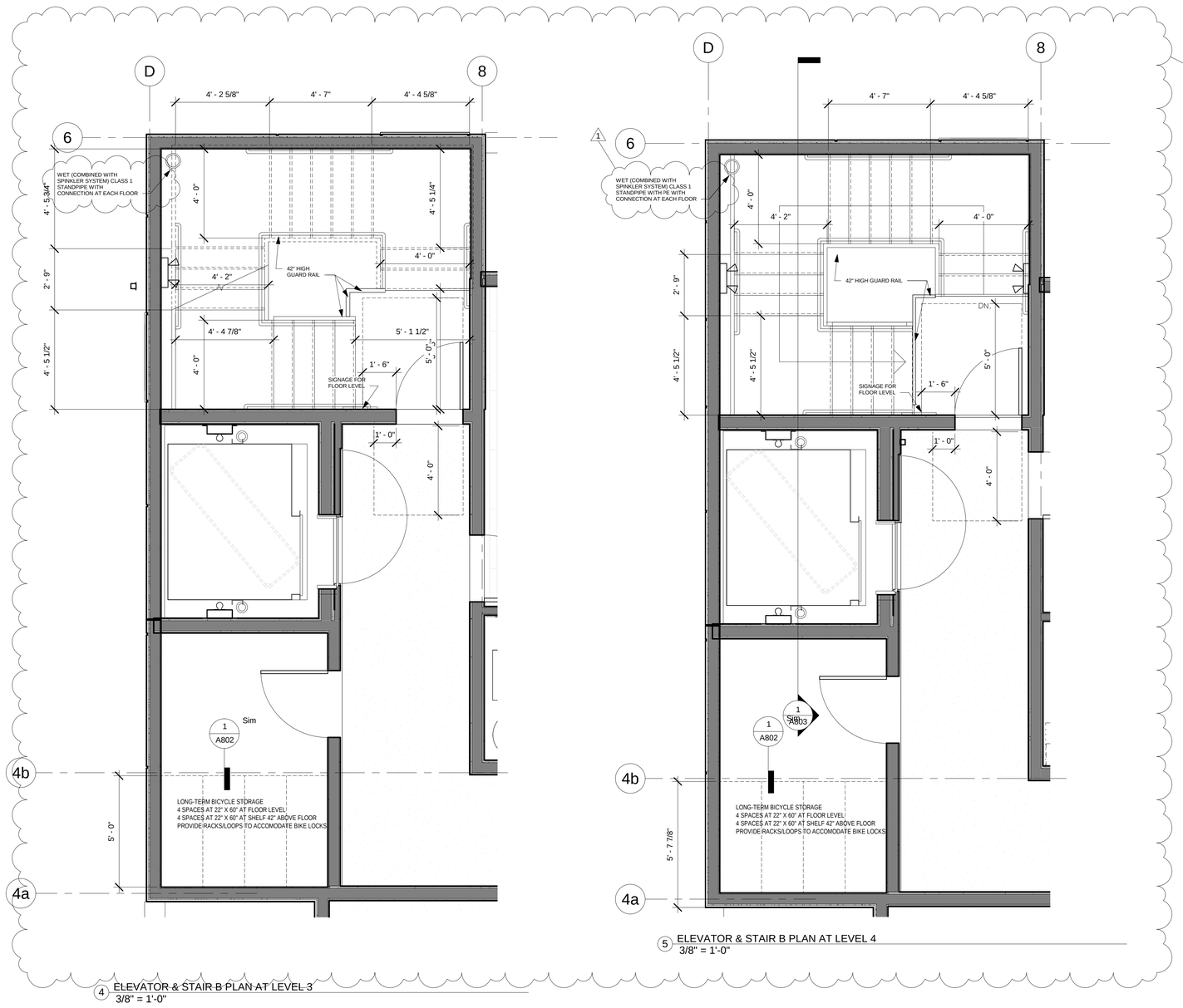
TP HOME 22 UNIT APTS. 2152

TP Home LLC
2152 N 185TH ST.

STAIR A PLANS

PRINT DATE:
2/15/2021 12:47:39 PM

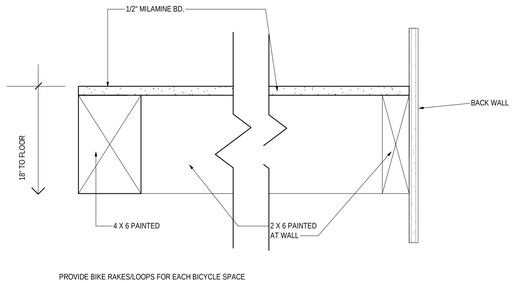
SHEET NO.
A801



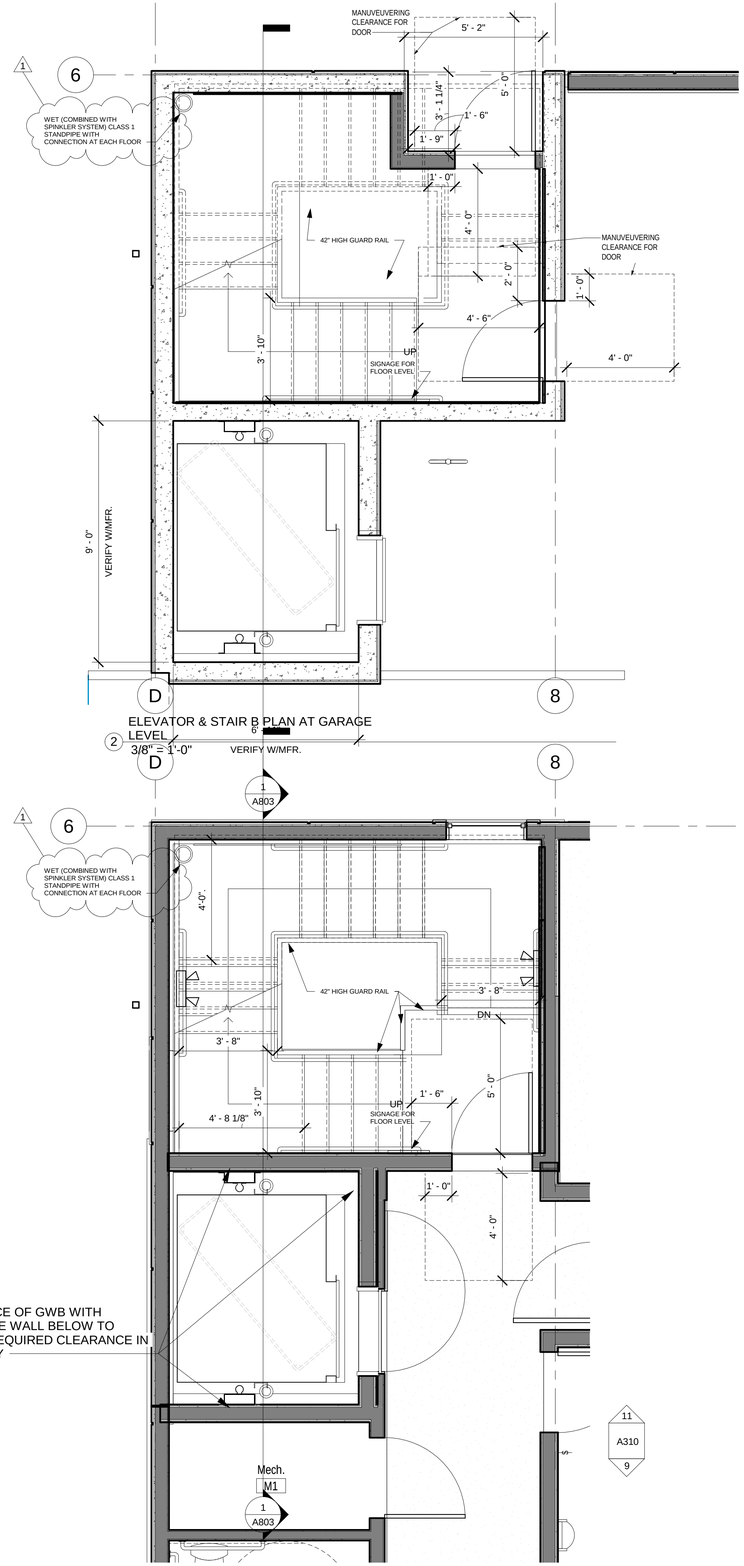
4 ELEVATOR & STAIR B PLAN AT LEVEL 3
3/8" = 1'-0"

5 ELEVATOR & STAIR B PLAN AT LEVEL 4
3/8" = 1'-0"

NOTE: BASIS OF ELEVATOR DESIGN IS THYSSENKRUPP ENDURA 150SP 3500LB. VERIFY DIMENSIONS AND OTHER REQUIREMENTS WITH ELEVATOR MANUFACTURER



1 BICYCLE SHELF
3" = 1'-0"



3 ELEVATOR & STAIR B PLAN AT LEVEL 2
3/8" = 1'-0"

REGISTERED ARCHITECT
7227
DALE SWEENEY
STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
RVSD:

REVISIONS

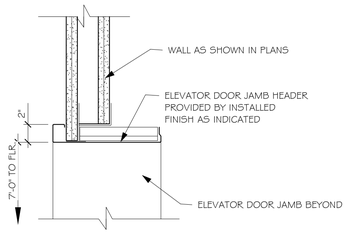
NO.	DATE	Revision Description
1	9/18/19	City Comments

TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

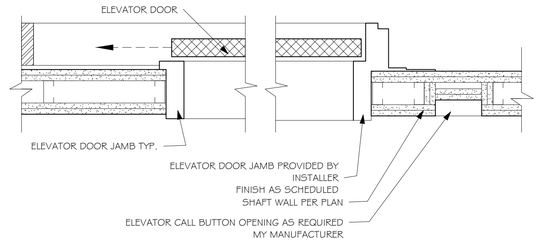
ELEVATOR & STAIR B PLANS

PRINT DATE:
2/15/2021 12:47:40 PM

SHEET NO.
A802

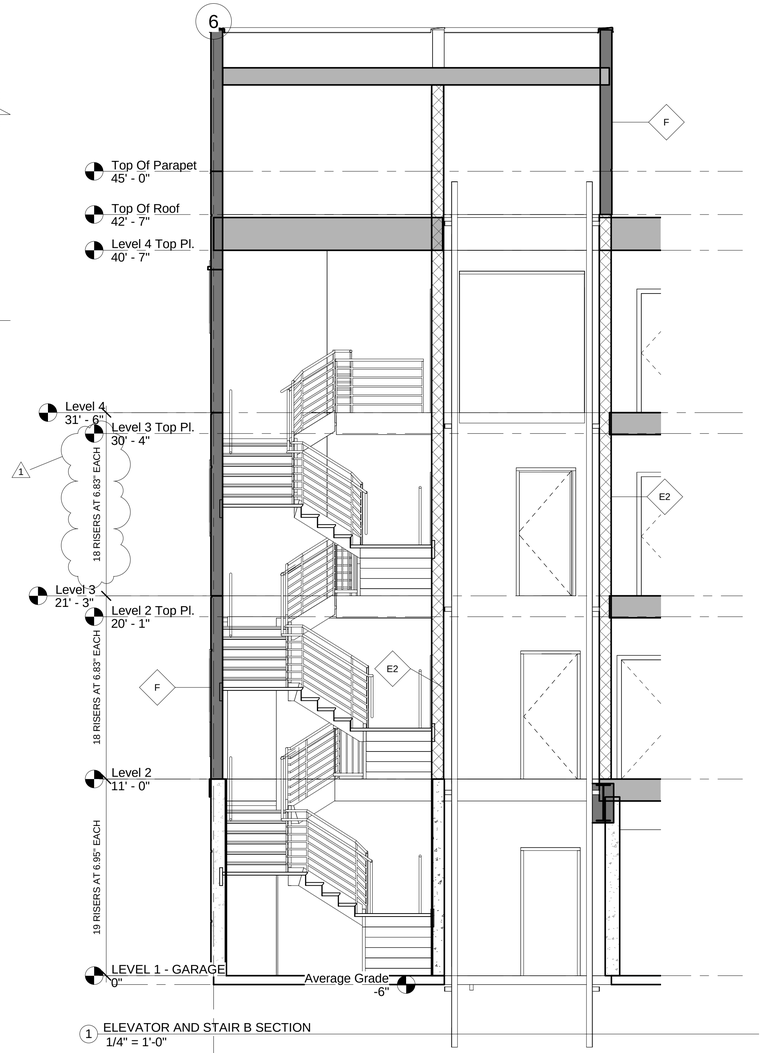


ELEVATOR DOOR HEADER



ELEVATOR DOOR JAMB - PLAN VIEW

8 Elevator Opening Details
1 1/2" = 1'-0"



1 ELEVATOR AND STAIR B SECTION
1/4" = 1'-0"

STAIR SIGNAGE REQUIREMENTS:

1023.9 Stairway identification signs. A sign shall be provided at each floor landing in an *interior exit stairway* and *ramp* connecting more than three stories designating the floor level, the terminus of the top and bottom of the *interior exit stairway* and *ramp* and the identification of the *stairway* or *ramp*. The signage shall also state the story of, and the direction to, the *exit discharge* and the availability of roof access from the *interior exit stairway* and *ramp* for the fire department. The sign shall be located 5 feet (1524 mm) above the floor landing in a position that is readily visible when the doors are in the open and closed positions. In addition to the *stairway* identification sign, a floor-level sign in visual characters, raised characters and braille complying with *ICC A117.1* shall be located at each floor-level landing adjacent to the door leading from the *interior exit stairway* and *ramp* into the *corridor* to identify the floor level.

Figure 1023.9.1
STAIRWAY IDENTIFICATION SIGN

GENERAL ELEVATOR NOTES:

ALL ELEVATORS SHALL COMPLY WITH THE EMERGENCY OPERATION AND SIGNALING DEVICE REQUIREMENTS OF SECTION 2.27 OF ASME A17.1. STANDBY POWER SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS 2702 AND 3003.

1. ELEVATOR ENCLOSURE SHALL BE SHAFT ENCLOSURES COMPLYING WITH ICC SECTION 707.

2. OPENINGS IN HOISTWAY ENCLOSURES SHALL BE PROTECTED AS REQUIRED IN CHAPTER 7.
A. HARDWARE ON OPENING PROTECTIVES SHALL BE OF AN APPROVED TYPE INSTALLED AS TESTED, EXCEPT THAT APPROVED INTERLOCKS, MECHANICAL LOCKS AND ELECTRIC CONTACTS, DOOR AND GATE ELECTRIC CONTACTS AND DOOR-OPERATING MECHANISMS SHALL BE EXEMPT FROM THE FIRE TEST REQUIREMENTS.

3. AN APPROVED PICTORIAL SIGN OF A STANDARDIZED DESIGN SHALL BE POSTED ADJACENT TO EACH ELEVATOR CALL STATION ON ALL FLOORS INSTRUCTING OCCUPANTS TO USE THE EXIT STAIRWAYS AND NOT TO USE THE ELEVATORS IN CASE OF FIRE. THE SIGN SHALL READ: IN FIRE EMERGENCY, DO NOT USE ELEVATOR, USE EXIT STAIRS. THE EMERGENCY SIGN SHALL NOT BE REQUIRED FOR ELEVATORS THAT ARE PART OF AN ACCESSIBLE MEANS OF EGRESS COMPLYING WITH IBC SECTION 1009.4.

4. WHERE ELEVATORS ARE PROVIDED IN BUILDINGS FOUR OR MORE STORIES ABOVE GRADE PLANE OR FOUR OR MORE STORIES BELOW GRADE PLANE, AT LEAST ONE ELEVATOR SHALL BE PROVIDED FOR FIRE DEPARTMENT EMERGENCY ACCESS TO ALL FLOORS. THE ELEVATOR CAR SHALL BE OF SUCH A SIZE AND ARRANGEMENT TO ACCOMMODATE A 24-INCH BY 84-INCH AMBULANCE STRETCHER IN THE HORIZONTAL, OPEN POSITION AND SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL FOR EMERGENCY MEDICAL SERVICES (STAR OF LIFE). THE SYMBOL SHALL NOT BE LESS THAN 3 INCHES HIGH AND SHALL BE PLACED INSIDE ON BOTH SIDES OF THE HOISTWAY DOOR FRAME.

5. PROVIDE TWO-WAY COMMUNICATION SYSTEM IN ACCORDANCE WITH WAC 1009.8.1 - SEE REFERENCE BELOW

6. THE MACHINE ROOM VENTILATION OR AIR CONDITIONING SHALL BE CONNECTED TO THE STANDBY POWER SOURCE.

7. ELEVATORS SHALL BE PROVIDED WITH PHASE I EMERGENCY RECALL OPERATION AND PHASE II EMERGENCY IN-CAR OPERATION IN ACCORDANCE WITH ASME A17.1.

7. ALL ELEVATORS SHALL BE EQUIPPED TO OPERATE WITH A STANDARD FIRE SERVICE ELEVATOR KEY IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE PER IBC SECTION 3003.3.

ELEVATOR USED TO ACCOMODATE STRETCHER

IBC 3002.4
Where elevators are provided in buildings four or more stories above, or four or more stories below, grade plane, not fewer than one elevator shall be provided for fire department emergency access to all floors. The elevator car shall be of such a size and arrangement to accommodate an ambulance stretcher 24 inches by 84 inches (610 mm by 2134 mm) with not less than 5-inch (127 mm) radius corners, in the horizontal, open position and shall be identified by the international symbol for emergency medical services (star of life). The symbol shall be not less than 3 inches (76 mm) in height and shall be placed inside on both sides of the hoistway door frame.

1009.8.1 System requirements. Two-way communication systems shall provide communication between each required location and the *fire command center* or a central control point location *approved* by the fire department. Where the central control point is not a *constantly attended location*, a two-way communication system shall have a timed automatic telephone dial-out capability to a monitoring location. The two-way communication system shall include both audible and visible signals. The two-way communication system shall have a battery backup or an approved alternate source of power that is capable of 90 minutes use upon failure of the normal power source.

REGISTERED ARCHITECT
DALE SWEENEY
STATE OF WASHINGTON
7227

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
RVSD:

REVISIONS
NO. DATE Revision Description
1 9/18/19 City Comments

TP HOME 22 UNIT APTS. 2152

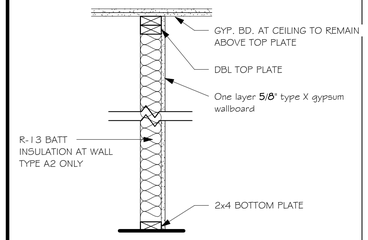
TP Home LLC
2152 N 185TH ST.

ELEVATOR & STAIR B SECTION

PRINT DATE:
2/15/2021 12:47:41 PM

SHEET NO.
A803

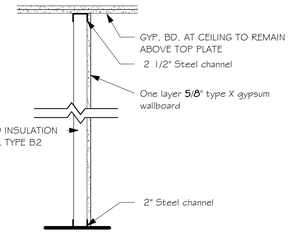
NR WALL:
WOOD STUD FURRING WALL



*SEE STRUCTRAL DRAWING FOR PLYWOOD SHEARWALL LOCATIONS

WALL TYPE - A1
WALL TYPE - A2
w/ 2" RIGID INSULATION

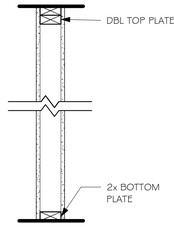
NR WALL:
METAL STUD FURRING WALL



*SEE STRUCTRAL DRAWING FOR PLYWOOD SHEARWALL LOCATIONS

WALL TYPE - B1
WALL TYPE - B2
w/ 2" RIGID INSULATION

1HR WALL: (2x)
GA FILE #: WP 3520
35 TO 39 STC SOUND



*SEE STRUCTRAL DRAWING FOR PLYWOOD SHEARWALL LOCATIONS

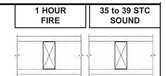
WALL TYPE C1 - 2 X 4 FRAMING
WALL TYPE C2 - 2 X 6 FRAMING

GA FILE NO. WP 3520	GENERIC	1 HOUR FIRE	35 to 39 STC SOUND

GYPSUM WALLBOARD, WOOD STUDS

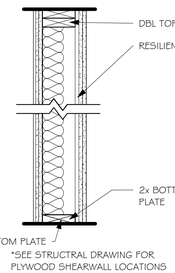
One layer ⅝" type X plain or predecorated gypsum wallboard applied parallel to each side of 2 x 4 wood studs 24" o.c. with 6d coated nails, 11/4" long, 0.0915" shank, ¼" heads, 7" o.c. at joints and top and bottom plates and ⅛" beads of adhesive at intermediate studs.

Joints staggered 24" on opposite sides. **(LOAD-BEARING)**



Thickness: 4⅛"
Approx. Weight: 7 psf
Fire Test: FM WP 90, 8-21-67
Sound Test: G&N NG-246FT, 7-2-65

PARTY WALL/CORRIDOR WALL
TYP. 1 HR WALL -LOAD BEARING
GA FILE#: WP 3825
55 TO 59 STC SOUND



*SEE STRUCTRAL DRAWING FOR PLYWOOD SHEARWALL LOCATIONS

WALL TYPE - D

WALLS AND INTERIOR PARTITIONS, WOOD FRAMED

GA FILE NO. WP 3825	PROPRIETARY*	2 HOUR FIRE	55 to 59 STC SOUND

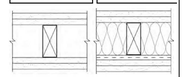
GYPSUM WALLBOARD, WOOD STUDS

Base layer ⅝" type X gypsum wallboard applied at parallel to each side of 2 x 4 wood studs 24" o.c. with 11⁄4" Type S drywall screws 8" o.c. **Face** layer ⅝" type X gypsum wallboard applied parallel to each side with 2" Type S drywall screws 8" o.c.

Joints staggered 24" each layer and side. Sound tested with resilient channels 24" o.c. on one side and and 3½" glass fiber insulation in the stud cavity. **(LOAD-BEARING)**

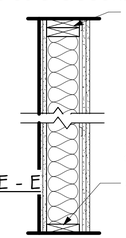
PROPRIETARY GYPSUM BOARD

American Gypsum Company LLC - ⅝" FireBloc® Type X



Thickness: 61⁄8"
Approx. Weight: 13 psf
Fire Test: UL R14196, 11NK09957, 7-22-11, UL Design U301
Sound Test: RAL TL11-164, 7-12-11

ELEVATOR/STAIR (LOAD BEARING)
2 HR INTERIOR PARTITION WALL:
GA FILE#: WP 3825
55 TO 59 STC SOUND



WALL TYPE - E

WALL TYPE E1 - 2 X 6 STUDS WITH INSUL. & RC
WALL TYPE E2 - 2 X 6 STUDS AND NO INSUL. OR RC
WALL TYPE E3 - 2 X 4 STUDS AND NO INSUL. OR RC
WALL TYPE E4 - 2 X 8 STUDS WITH INSUL. & RC

WALLS AND INTERIOR PARTITIONS, WOOD FRAMED

GA FILE NO. WP 3825	PROPRIETARY*	2 HOUR FIRE	55 to 59 STC SOUND

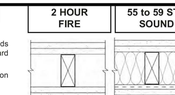
GYPSUM WALLBOARD, WOOD STUDS

Base layer ⅝" type X gypsum wallboard applied at parallel to each side of 2 x 4 wood studs 24" o.c. with 11⁄4" Type S drywall screws 8" o.c. **Face** layer ⅝" type X gypsum wallboard applied parallel to each side with 2" Type S drywall screws 8" o.c.

Joints staggered 24" each layer and side. Sound tested with resilient channels 24" o.c. on one side and and 3½" glass fiber insulation in the stud cavity. **(LOAD-BEARING)**

PROPRIETARY GYPSUM BOARD

American Gypsum Company LLC - ⅝" FireBloc® Type X



Thickness: 61⁄8"
Approx. Weight: 13 psf
Fire Test: UL R14196, 11NK09957, 7-22-11, UL Design U301
Sound Test: RAL TL11-164, 7-12-11

WALL ASSEMBLY NOTES

1) Stone and Masonry veneer to be installed in strict conformance with ESR Reports (ICC) for manufacturer selected. Comply with the Masonry Veneer Manufacturers Association requirements & specifications for systems not evaluated by ICC, 2012 International Building Code requirements and industry recognized trade standards.

2) U.I.O., Concrete Slab (Re: Structural for thickness and reinforcing) on 2" sand (optional, provide allowance) over 10mil vapor barrier on 4" thk. layer of gravel 1/2" to 3/4" size (also Re: soils report). Use smooth gravel where 2" sand is omitted.

3) GYP PANELS:
a) Use water and mold resistant glass fiber-faced substrate at pool walls and ceilings, shower walls and plumbing walls;
b) Use moisture resistant non-paper-faced substrate at all other bathroom and restroom walls;
c) Use water, mold, and indentation resistant non-paper-faced underlayment for all carpet, vinyl, and tile interior floor covering over slab on grade where recommended by manufacturer.

4) FIRE RATED ASSEMBLIES - Maintain required fire-rating of all assemblies. Many approved recessed lighting fixtures require special protection. Consult the fire test report or listing for the specific system for protection details and the opening area limitation.

5) Weather Resistive Barrier to be DuPont™ Tyvek® Commercial Wrap System and system accessories, or approved equal.

6) Fire-rated features take precedence over acoustical features.

7) Provide Denshield or approved equal at all tub/shower locations.

8) All exterior walls to receive a separate interior vapor retarder membrane at studs.

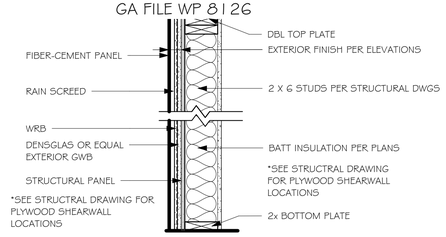
DRAFTSTOPPING/FIREBLOCKING NOTES

1) Fireblocking to comply with IBC 718 - CONCEALED SPACES.

2) Provide Fireblocking at the following locations:
a. Horizontally at all interior and exterior walls at 10'-0" O.C. max.
b. Vertically at all floor and ceiling levels.

3) Provide Draftstopping vertically at all concealed roof spaces between each individual dwelling unit and corridor up to roof sheathing.

TYP. EXTERIOR WALL (1 HR):
GA FILE WP 8126



WALL TYPE - F

EXTERIOR WALLS

GA FILE NO. WP 8126	PROPRIETARY*	1 HOUR FIRE

GYPSUM PANEL PRODUCTS, FOAM PLASTIC BOARDS, WOOD STUDS, EXTERIOR CLADDING

EXTERIOR SIDE: **Base** layer ⅝" proprietary type X gypsum sheathing or glass mat gypsum substrate applied parallel or at right angles to 2 x 4 wood studs 16" o.c. with 6d cement-coated or common nails or 1⅝" Type W drywall screws 7" o.c. **Second** layer maximum 1⅛" proprietary faced polyisocyanurate foam plastic sheathing applied parallel to studs with 3" galvanized roofing nails 8" o.c. at perimeter and 12" o.c. at intermediate studs. **Face** layer exterior siding, fiber-cement siding, masonry veneer, stucco, or exterior insulation and finish system (EIFS).

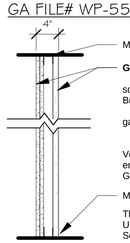
INTERIOR SIDE: ⅝" proprietary type X gypsum wallboard applied at right angles to studs with 6d cement-coated or common nails or 1⅝" Type W drywall screws 7" o.c. Unfaced 3½" glass fiber, 0.72 pcf, friction fit in stud space. **(LOAD-BEARING)**

PROPRIETARY GYPSUM PANEL PRODUCTS

American Gypsum Company LLC	-	⅝" FireBloc® Type X
	-	⅝" Exterior Sheathing Type X
CertainTeed Gypsum Inc.	-	⅝" GlasRoc® Sheathing Type X Gypsum Panels
	-	⅝" CertainTeed® Type X Gypsum Board
Georgia Pacific Gypsum LLC	-	⅝" DensArmor Plus® Fireguard® Interior Panel
	-	⅝" DensGlass® Fireguard® Sheathing
Lafarge North America Inc.	-	⅝" Weather Defense® Platinum Sheathing
	-	⅝" Firechek® Type X
National Gypsum Company	-	⅝" Gold Bond® Brand FIRE-SHIELD® Gypsum Sheathing
	-	⅝" Gold Bond® Brand FIRE-SHIELD® Gypsum Board
PABCO Gypsum	-	⅝" FLAME CURB® Type X
	-	⅝" PABCO GLASS™ Sheathing Type X
Temple-Inland	-	⅝" Type X
	-	⅝" GreenGlass Type X

Thickness: Varies
Approx. Weight: 6 psf
Fire Test: UL R2637, 94NK19449, 6-28-96, UL Design U354

INTERIOR PARTITION - SHAFT WALL
TYP. 2HR WALL
GA FILE# WP-5508



METAL TOP CHANNEL

GYPSUM WALLBOARD, C-H METAL STUDS

Gypsum Board - Two layers of 1/2 in. thick, 4 ft. board, with beveled, square or tapered edges, applied vertically or horizontally - SHEETROCK Brand FIRECODE C Core Gypsum Panel - 1/2"

Steel Studs - C-H shaped studs, 2-1/2 in. wide by 1-1/2 in. deep, min 25 gauge steel spaced @ 24 in OC. - 212CH25-18

Batts and Blankets - 1 in. thick mineral wool batts fitted in cavity

Gypsum Board - 1 in. thick by nom. 2 ft. wide gypsum liner panels. Vertical edges inserted in "H" shaped section of "C-H" studs. Free edge of end panels attached to long leg of "J" runners - SHEETROCK Brand Gypsum Liner Panel

METAL BOTTOM TRACK

Thickness: 4"
UL Design U415
Sound Test: **(48 STC)** RAL-OT04-022

WALL TYPE - L

GA FILE NO. WP 7051	PROPRIETARY*	2 HOUR FIRE	50 to 54 STC SOUND

GYPSUM WALLBOARD, STEEL C-H OR C-T STUDS

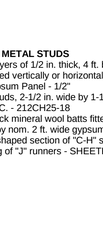
One layer 1" x 24" proprietary type X gypsum panels inserted between 2-1/2" floor and ceiling J runners with T section of 2-1/2" steel C-H or C-T studs between panels.

OPPOSITE SIDE: **Base** layer 1/2" proprietary type X gypsum wallboard applied at right angles to studs with 1" Type S drywall screws 24" o.c. **Face** layer 1/2" proprietary type X gypsum wallboard applied parallel to studs with 1-5/8" Type S drywall screws 12" o.c.

Sound tested with 1-1/2" glass fiber insulation in stud space. **(NLB)**

PROPRIETARY GYPSUM BOARD

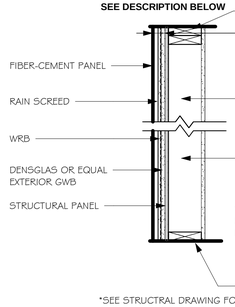
CertainTeed Gypsum Inc.	1/2" CertainTeed® Type C Gypsum Board
	1" GlasRoc® Shaftliner Gypsum Panels
Continental Building Products	1/2" Firechek® Type C
	1" Mold Defense® Shaftliner
Georgia-Pacific Gypsum LLC	1/2" ToughRock® Fireguard C® Gypsum Board
	1" ToughRock® Shaftliner
National Gypsum Company	1/2" Gold Bond® Brand FIRE-SHIELD C® Gypsum Board
	1" Gold Bond® Brand FIRE-SHIELD® Shaftliner
PABCO Gypsum	1/2" FLAME CURB® Super 'C' Type PG-C
	1" PABCORE® Gypsum Liner Board



Thickness: 3-1/2"
Approx. Weight: 9 psf
Fire Test: UL R7094, 93NK8151, 9-14-93; UL R3660, 07NK22992, 2-18-08; UL Design U428
Sound Test: RAL TL93-181, 7-1-93

TYP. EXTERIOR WALL (1 HR):
GA FILE WP 8105

SEE DESCRIPTION BELOW



*SEE STRUCTRAL DRAWING FOR PLYWOOD SHEARWALL LOCATIONS

WALL TYPE - G

EXTERIOR WALLS

GA FILE NO. WP 8105	GENERIC	1 HOUR FIRE

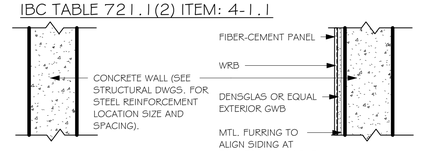
GYPSUM WALLBOARD, GYPSUM SHEATHING, WOOD STUDS

EXTERIOR SIDE: One layer 48" wide 5/8" type X gypsum sheathing applied parallel to 2 x 4 wood studs 24" o.c. with 1-3/4" galvanized roofing nails 4" o.c. at vertical joints and 7" o.c. at intermediate studs and top and bottom plates. Joints of gypsum sheathing may be left untreated. Exterior cladding to be attached through sheathing to studs.

INTERIOR SIDE: One layer 5/8" type X gypsum wallboard, water-resistant gypsum backing board, or gypsum veneer base applied parallel or at right angles to studs with 6d coated nails, 1-7/8" long, 0.0915" shank, 1/4" heads, 7" o.c. **(LOAD-BEARING)**

Thickness: Varies
Approx. Weight: 7 psf
Fire Test: See WP 3510 (UL R3501-47, -48, 9-17-65, UL Design U309; UL R1319-129, 7-22-70, UL Design U314)

CONCRETE WALL:
IBC TABLE 721.1(2) ITEM: 4-1.1



WALL TYPE - J

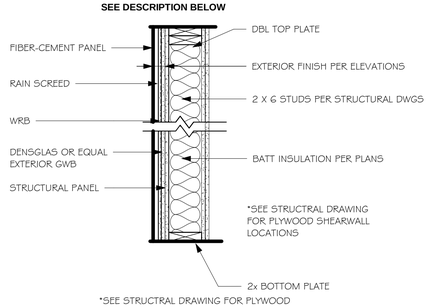
WALL TYPE - J2

TABLE 721.1(2)
RATED FIRE-RESISTANCE PERIODS FOR VARIOUS WALLS AND PARTITIONS a, b, p

MATERIAL	ITEM NUMBER	CONSTRUCTION	MINIMUM FINISHED THICKNESS FACE-TO-FACE (inches) 4 hours	3 hours	2 hours	1 hour
4. Solid concrete[b, p]	4-1.1	Siliceous aggregate concrete.	7.0	6.2	5.0	3.5
		Carbonate aggregate concrete.	6.6	5.7	4.6	3.2
		Sand-lightweight concrete.	5.4	4.6	3.8	2.7
		Lightweight concrete.	5.1	4.4	3.6	2.5

TYP. EXTERIOR WALL (2HR):
UL U308

SEE DESCRIPTION BELOW



*SEE STRUCTRAL DRAWING FOR PLYWOOD SHEARWALL LOCATIONS

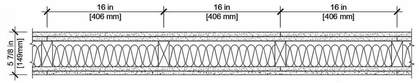
WALL TYPE - H

3/6/2019 USG Design Studio | UL U308 - Fire Resistant Assembly, Fire Rated Assembly, Fire Rated Detail

USG

CEILINGS | WALLS | FLOORS, TILE & SHOWERS | ROOFING & BUILDING ENVELOPE | INDUSTRIAL | PERFORMANCE & APPLICATIONS | INSPIRATION

SYSTEM SELECTOR | CEILINGS | SUSTAINABILITY | DOWNLOAD DETAILS



UL U308
Exterior Walls -Wood Stud (Load-bearing)

Fire Rating	**2 hour**
System Thickness	**5-7/8"**

Assembly Options

Gypsum Board - Two layers of 5/8 in. thick gypsum board applied horizontally or vertically
- Securock® ExoAir® 430 Panel - 5/8" (UL Type USGX)
- USG Sheetrock® Brand Gypsum Sheathing Firecode® X - 5/8" (UL Type SHX)
- USG Sheetrock® Brand EcoSmart Panels Mold Tough® Firecode® X - 5/8" (UL Type ULIX)
- USG Sheetrock® Brand EcoSmart Panels Firecode® X - 5/8" (UL Type ULIX)
- USG Securock® Brand Glass-Mat Sheathing Firecode® X - 5/8" (UL Type USGX)

Wood Studs - 2 in. x 4 in. wood studs spaced max. 16 in. OC

Batts and Blankets - Min. 3 in. thick mineral wool insulation

Gypsum Board - 5/8 in. thick gypsum board applied horizontally or vertically

https://www.usgdesignstudio.com/assembly.asp?id=920421&assembly/Category=921052 1/2

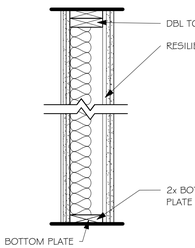
3/6/2019 USG Design Studio | UL U308 - Fire Resistant Assembly, Fire Rated Assembly, Fire Rated Detail

- USG Sheetrock® Brand Gypsum Sheathing Firecode® X - 5/8" (UL Type SHX)
- USG Securock® Brand Glass-Mat Sheathing Firecode® X - 5/8" (UL Type USGX)
- USG Sheetrock® Brand EcoSmart Panels Mold Tough® Firecode® X - 5/8" (UL Type ULIX)
- Securock® ExoAir® 430 Panel - 5/8" (UL Type USGX)

Cement Board - 1/2 in. thick board, applied horizontally or vertically
- USG Durock® Brand Cement Board - 1/2" (UL Type N/R) or 5/8" (UL Type DCB)

Remarks
- Stud size is minimum unless otherwise stated in design.
- For the most up-to-date information refer to the UL Fire resistance directory **U308 OF** .
- UL Type ULIX™ requires the use of insulation for single-layer, steel-framed UL fire-rated assemblies.
- Visit the **Securock ExoAir web site** for the most up-to-date product information and installation instructions.
- Wall thicknesses are indicated per UL test only. Reference IBC and local building codes for minimum stud depth and insulation values for exterior assemblies.

PARTY WALL
TYP. 1 HR WALL -LOAD BEARING
GA FILE#: WP 5509
55 TO 59 STC SOUND



WALL TYPE - K

GA FILE NO. WP 5509	PROPRIETARY*	1 HOUR FIRE	55 to 59 STC SOUND

GYPSUM WALLBOARD, WOOD STUDS

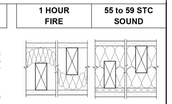
One layer 5/8" proprietary type X gypsum wallboard applied parallel or at right angles to each side of 2 x 4 wood studs 16" o.c. staggered 8" o.c. on 2 x 6 wood plates with 1-1/4" drywall screws 8" o.c. Minimum 3-1/2" glass fiber insulation, 0.80 pcf, woven in cavity.

Joints staggered 24" on opposite sides.

Sound tested with resilient channels on one side and 3-1/2" glass fiber insulation in stud cavity on both sides. **(LOAD-BEARING)**

PROPRIETARY GYPSUM BOARD

American Gypsum Company LLC.....5/8" FireBloc® Type X Gypsum Board



Thickness: 7-3/4"
Approx. Weight: 9 psf
Fire Test: UL R14196, 11NK09957, 7-22-11; UL R4024, 4786444570, 6-12-14; UL Design U340
Sound Test: RAL TL11-165, 7-13-11

STEEL COLUMN IN CONCRETE
(FREE STANDING IN GARAGE)

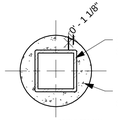
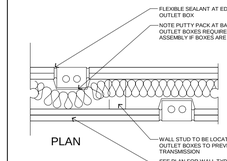


TABLE 721.1(1)
MINIMUM PROTECTION OF STRUCTURAL PARTS BASED ON TIME PERIODS FOR VARIOUS NONCOMBUSTIBLE INSULATING MATERIALS[a]

STRUCTURAL PARTS TO BE PROTECTED	ITEM NUMBER	INSULATING MATERIAL USED	MINIMUM THICKNESS OF INSULATING MATERIAL FOR THE FOLLOWING FIRE-RESISTANCE PERIODS (inches) 4 hours	3 hours	2 hours	1 hour
	1-1.1	Carbonate, lightweight and sand-lightweight aggregate concrete, members 6" × 6" or greater (not including sandstone, granite and siliceous gravel)[b]	2½	2	1½	1

NOTE: PROVIDE 1-HR FIRE PROTECTIVE COATING FOR ANY STEEL COLUMN OR PORTION OF STEEL COLUMN NOT PROTECTED AS SHOWN ABOVE.

STL. COL. A



NOT TO SCALE

2 ACCOUSTICAL ASSEMBLIES
1" = 1'-0"

STEEL COLUMN IN GWB
(FREE STANDING ICOMMON SPACE - IN PERIMETER WALLS AT GARAGE)

GA FILE NO. CM 1451	GENERIC	1 HOUR FIRE

GYPSUM WALLBOARD, STEEL COLUMN COVER

Base layer 1/2" type X gypsum wallboard applied around TS4x4x0.188 tube steel column and held in place with paper masking tape. **Second** layer either 24 ga. galvanized steel column cover consisting of two L-shaped sections with snap-lock sheet steel joints or 22 ga. galvanized steel column covers consisting of two L-shaped sections with lap joints fastened with No. 8xt/2" sheet metal screws 12" o.c. **Face** layer 1/2" type X gypsum wallboard applied without horizontal joints to column cover with 1" Type S drywall screws 8" o.c. spaced 1" from vertical edges. Metal cornerbead applied to all corners with 1" Type S drywall screws 12" o.c. in each flange.

Fire Test: UL NC505-(1-6), 71NK2630 12-23-75; UL NC505, 77NK1518; UL Design X526

NOTE: PROVIDE 1-HR FIRE PROTECTIVE COATING FOR ANY STEEL COLUMN OR PORTION OF STEEL COLUMN NOT PROTECTED AS SHOWN ABOVE.

STL. COL. B

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

REGISTERED ARCHITECT 7227 DALE SWEENEY STATE OF WASHINGTON

JOB NO.:	SHRLN-001
DATE:	6/26/2017
DWN. BY:	Author
CHKD BY:	Checker
R/(S):	

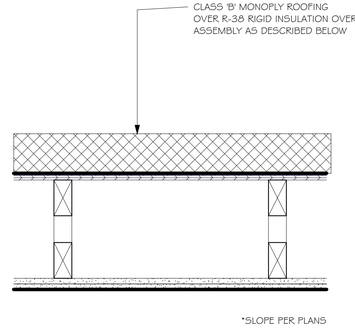
NO.	DATE	REVISIONS Revision Description
1	9/18/19	City Comments

TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

WALL ASSEMBLIES

PRINT DATE:
2/15/2021 12:47:45 PM

SHEET NO.
A900



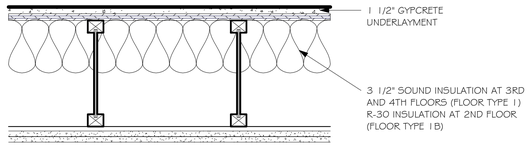
ROOF/CLG TYPE - RA

ROOF ASSEMBLY - IBC 721.1(3) 21

Wood joists, wood I-joists, floor trusses and flat or pitched roof trusses spaced a maximum 24″ o.c. with 1/2″ wood structural panels with exterior glue applied at right angles to top of joist or top chord of trusses with 8d nails. The wood structural panel thickness shall be not less than nominal 1/2″ nor less than required by Chapter 23.

Base layer 5/8″ Type X gypsum wallboard applied at right angles to joist or truss 24" o.c. with 1 1/4″ Type S or Type W drywall screws 24" o.c. Face layer 5/8″ Type X gypsum wallboard or veneer base applied at right angles to joist or truss through base layer with 1 7/8″ Type S or Type W drywall screws 12" o.c. at joints and intermediate joist or truss. Face layer Type G drywall screws placed 2″ back on either side of face layer end joints, 12″ o.c.

TYPICAL 1-HR. WD. FLOOR
GA FILE #: FC-5011
STC 60-64



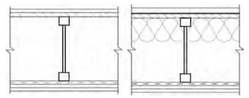
FLOOR TYPE - 1
FLOOR TYPE - 1B
R-30 BATT INSULATION

GA FILE NO. FC 5011	PROPRIETARY*	1 HOUR FIRE	60 to 64 STC SOUND

WOOD I-JOISTS, WOOD STRUCTURAL PANELS, GYPSUM FLOOR TOPPING, RESILIENT CHANNELS, GLASS FIBER BATT OR LOOSE FILL INSULATION, GYPSUM WALLBOARD

Base layer 1/2" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to resilient furring channels 24" o.c. (16" o.c. when insulation is used) with 1" Type S drywall screws 16" o.c. Gypsum board end joints located midway between continuous channels and attached with screws 8" to additional pieces of channel 60" long located 3" back on either side of end joint. Resilient channels applied at right angles to minimum 10" deep wood I joists spaced a maximum of 19" o.c. with 1¼" Type S drywall screws. **Face** layer 1/2" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to resilient furring channels 19/8" Type S drywall screws 8" o.c. and 1½" Type G screws 8" o.c. at the butt joints located mid-span between the resilient channels. Glass fiber insulation secured to subfloor or loose fill insulation applied directly over gypsum board. Wood I joists supporting 19/32" wood structural panel subfloor applied at right angles to joists with construction adhesive and 6d ring shank nails 12" o.c. Minimum 1/2" proprietary gypsum floor topping applied over subfloor.

STC rated with I joists spaced 24" o.c., 3½" glass fiber insulation in joist spaces, 3/4" proprietary gypsum floor topping poured over ¼" proprietary sound reduction mat, and with finish flooring of sheet vinyl, engineered wood laminate, and ceramic tile. (STC 64 when sheet vinyl or engineered wood laminate is applied to floor; STC 66 when tested with ceramic tile applied to floor.)



Approx. Ceiling Weight: 3 psf
Fire Test: UL R1319, 05NK04589, 2-4-05; UL R1319, 05NK09496, 3-31-05; UL Design L570
Sound Test: RAL OT03-05, 4-22-03; RAL OT03-07, 4-29-03; RAL OT03-09, 6-18-03
IIC & Test: (58 sheet vinyl), RAL OT03-06, 4-22-03; (62 engineered wood laminate) RAL OT03-08, 4-29-03; (54 ceramic tile) RAL OT03-10, 6-18-03

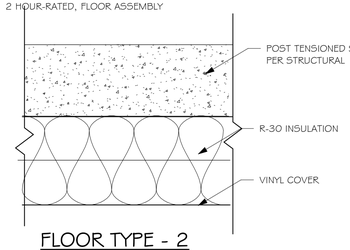
PROPRIETARY GYPSUM COMPONENTS

United States Gypsum Company
- 1/2" SHEETROCK® Brand FIRECODE® C Core Gypsum Panels
- LEVELROCK® Brand Floor Underlayment

NOTE: R-30 UNSULATION AT LEVEL 2

POST TENSION DECK ABOVE BASEMENT
IBC 721.1.2(3)#1

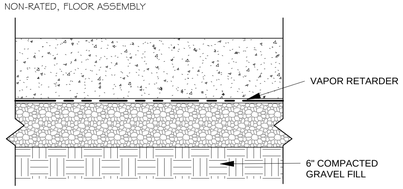
2 HOUR-RATED, FLOOR ASSEMBLY



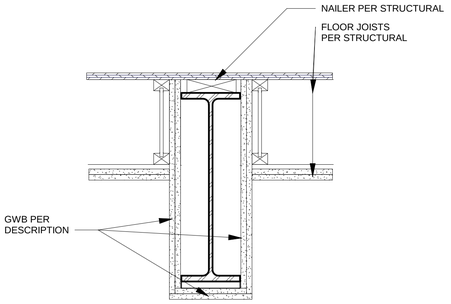
FLOOR TYPE - 2

FLOOR OR ROOF CONSTRUCTION	ITEM NUMBER	CEILING CONSTRUCTION	THICKNESS OF FLOOR OR ROOF SLAB (inches)				MINIMUM THICKNESS OF CEILING (inches)			
			4 hours	3 hours	2 hours	1 hour	4 hours	3 hours	2 hours	1 hour
5. Reinforced concrete	5-1.1	Slab with suspended ceiling of vermiculite gypsum plaster over metal lath attached to 7/8″ cold-rolled channels spaced 12″ on center. Ceiling located 6″ minimum below joists.	3	2	—	—	1	3/4	—	—
	5-2.1	3/4″ Type X gypsum wallboard attached to 0.018 inch (No. 25 carbon sheet steel gage) by 7/8″ deep by 2 5/16″ hat-shaped galvanized steel channels with 1″-long No. 6 screws. The channels are spaced 24″ on center, span 35″ and are supported along their length at 35″ intervals by 0.033″ (No. 21 galvanized sheet gage) galvanized steel flat strap hangers having formed edges that engage the lips of the channel. The strap hangers are attached to the side of the concrete joists with 5/32″ by 1¼″ long power-driven fasteners. The wallboard is installed with the long dimension perpendicular to the channels. End joints occur on channels and supplementary channels are installed parallel to the main channels, 12″ each side, at end joint occurrences. The finished ceiling is located approximately 12″ below the soffit of the floor slab.	—	—	2½	—	—	—	5/8	—

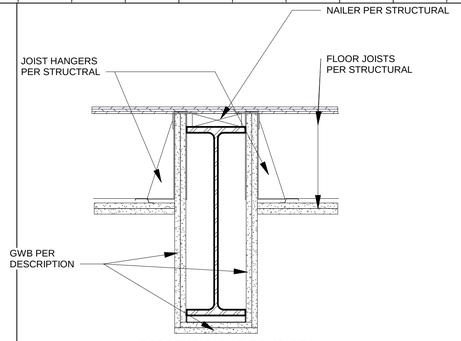
TYPICAL SLAB ON GRADE
NON-RATED, FLOOR ASSEMBLY



FLOOR TYPE - 3



PARALLEL TO JOISTS



PERPENDICULAR TO JOISTS

BM-2

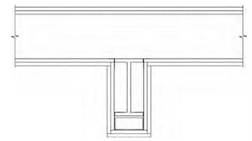
BEAMS, GIRDERS, AND TRUSSES, NONCOMBUSTIBLE

GA FILE NO. BM 1137	PROPRIETARY*	1 HOUR FIRE

STEEL FRAME, GYPSUM WALLBOARD

Base layer 1/2" proprietary type X gypsum wallboard applied to beam cage with 1" Type S-12 drywall screws 12" o.c. **Face** layer 1/2" proprietary type X gypsum wallboard applied to beam cage with 1⅝" Type S-12 drywall screws 12" o.c. Joints offset from base layer joints.

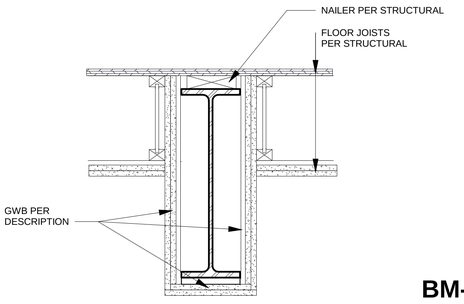
Beam cage fabricated from 24 ga 7/8" x 1⅜" steel angles screw attached to steel joists at beam top flange and 25 ga 2½" steel runners hooked over beam lower flange and supporting 1⅝" steel studs 24" o.c. Minimum beam size W8x15. **(One hour unrestrained beam.)**



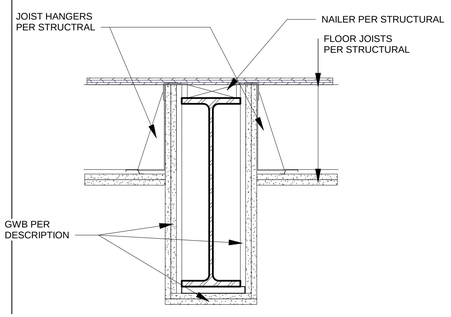
PROPRIETARY GYPSUM BOARD

American Gypsum Company LLC	-	1/2" FireBloc® Type C
CertainTeed Gypsum Inc.	-	1/2" CertainTeed® Type C Gypsum Board
Georgia Pacific Gypsum LLC	-	1/2" ToughRock® Fireguard C® Gypsum Board
Lafarge North America Inc.	-	1/2" Firecheck® Type C
National Gypsum Company	-	1/2" Gold Bond® Brand FIRE-SHIELD C™ Gypsum Board
PABCO Gypsum	-	1/2" FLAME CURB® Super 'C'™
Temple-Inland	-	1/2" TG-C
United States Gypsum Company	-	1/2" SHEETROCK® Brand FIRECODE® C Core Gypsum Panels

Fire Test: UL R1319-133, 7-16-75; Based on UL R3660-7 & -8, 11-12-87; UL Design L524

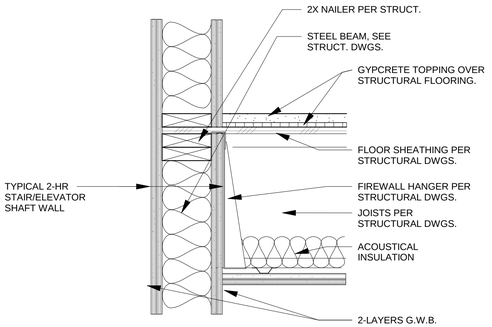


PARALLEL TO JOISTS



PERPENDICULAR TO JOISTS

BM-3



(2) FIREWALL HANGER
1 1/2" = 1'-0"

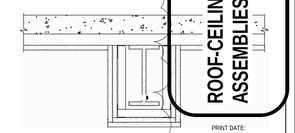
STEEL BEAM PROTECTION

GA FILE NO. BM 2120	GENERIC	2 HOUR FIRE

STEEL FRAME, GYPSUM WALLBOARD

Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied to beam cage with 1-1/4" Type S drywall screws 16" o.c. **Face** layer 5/8" type X gypsum wallboard or gypsum veneer base applied to beam cage with 1-3/4" Type S drywall screws 8" o.c.

Beam cage fabricated from horizontally installed steel angles (25 ga. steel having 1" and 2" legs) located not less than 1/2" from beam flanges. 1" legs of the upper angles secured to steel deck units with 1/2" Type S pan head screws 12" o.c. "U" shaped brackets formed of 25 ga. "U" shaped steel channels (111/16" wide with 1" legs) 24" o.c. suspended from upper angles with 1/2" Type S pan head screws and supported 1" x 2" angles at lower corners attached to brackets with 1/2" Type S pan head screws. Outside corners of gypsum board protected by 0.020" thick metal cornerbeads crimped or nailed. Minimum beam size W8x24. **(Two-hour restrained or unrestrained beam.)**



Fire Test: UL R4024-5, 3-14-06; UL Design I
ULC Design O501

PRINT DATE
2/15/2021 12:47:47 PM

SHEET NO.
A901

ROOF-CEILING-FLOOR ASSEMBLIES

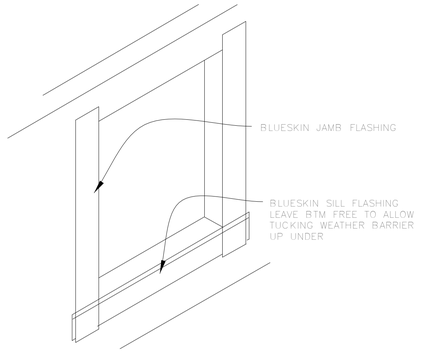
TP HOME 22 UNIT
APTS. 2152
TP Home LLC
2152 N 185TH ST.

REVISIONS
NO. DATE Revision Description
1 9/18/19 City Comments

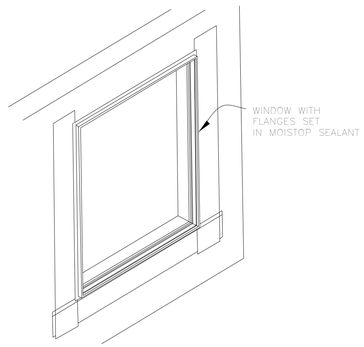
JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
RVSD:

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

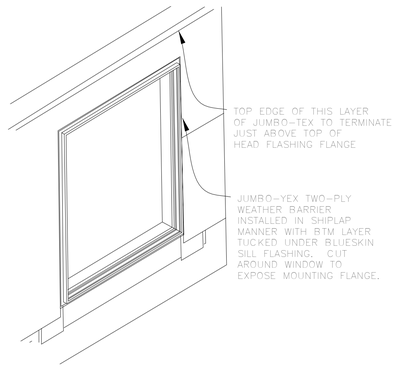
REGISTERED ARCHITECT 7227 DALE SWEENEY STATE OF WASHINGTON



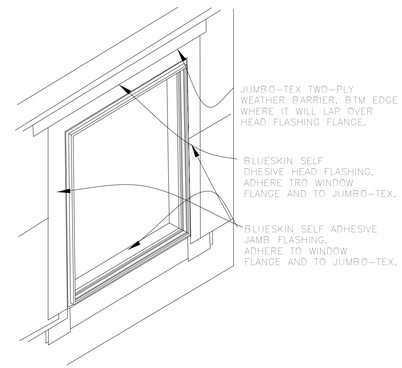
7 INSTALLATION DETAIL #
N.T.S



8 INSTALLATION DETAIL #
N.T.S

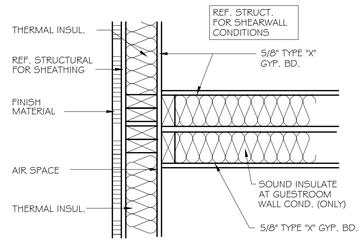


9 INSTALLATION DETAIL #
N.T.S

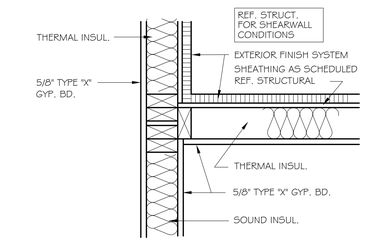


10 INSTALLATION DETAIL #
N.T.S

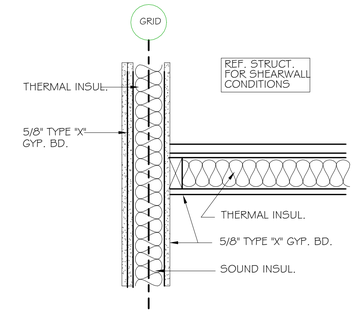
20 WINDOW FLASHING INSULATION DETAIL
SCALE: 1" = 1'-0"



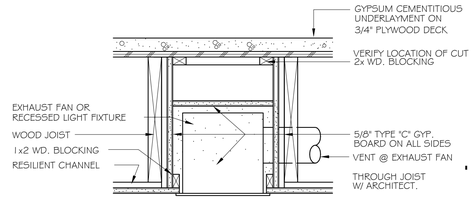
3 WALL AT INT. CORNER
SCALE: 1 1/2" = 1'-0"



2 EXT. INSIDE CORNER
SCALE: 1 1/2" = 1'-0"



4 DET AT PARTY WALL
1 1/2" = 1'-0"



1 ENCL. AROUND REC. LIGHT FIXT.
SCALE: 1 1/2" = 1'-0"

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

REGISTERED ARCHITECT 7227 DALE SWEENEY STATE OF WASHINGTON

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: CDP
CHKD BY:
R/SD:

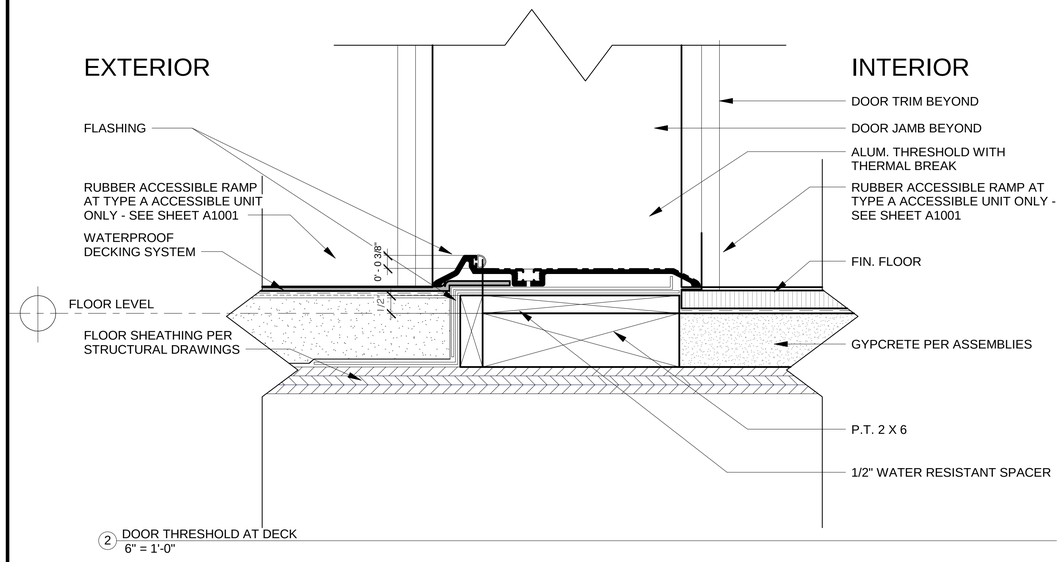
REVISIONS
NO. DATE Revision Description

TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

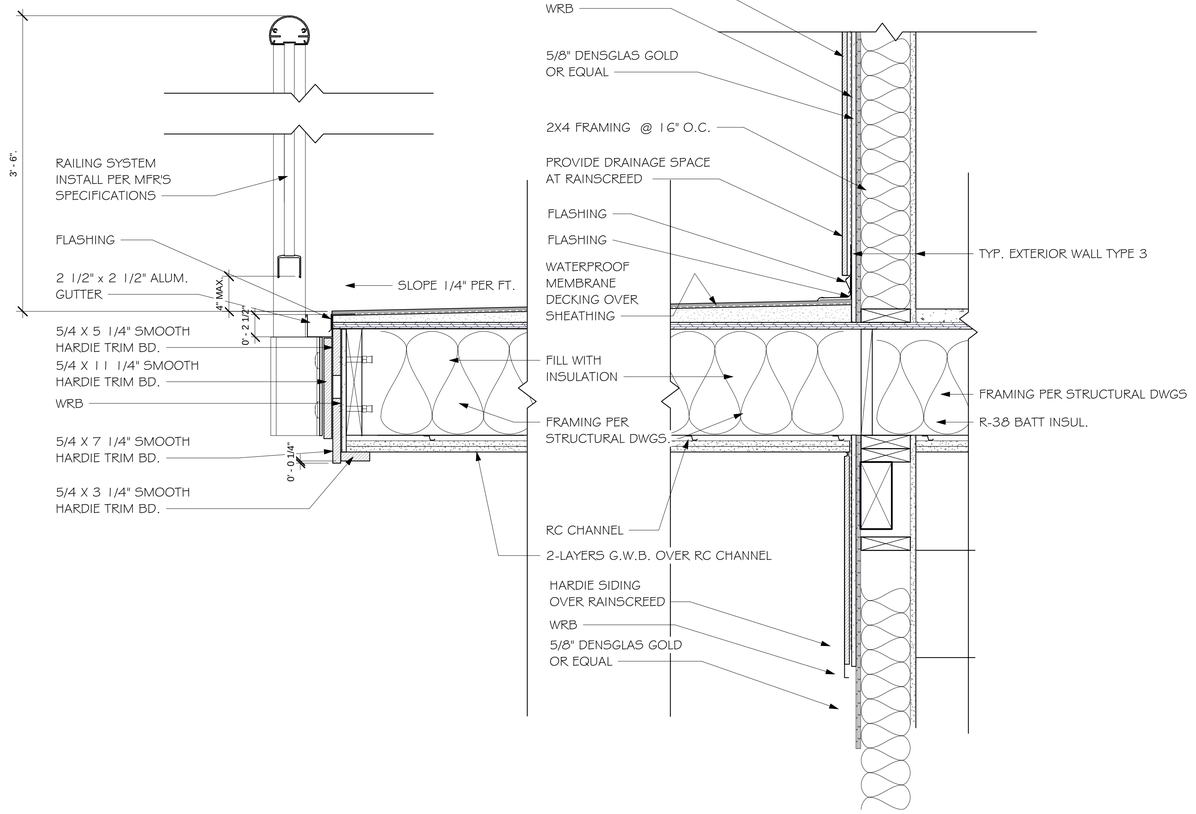
DETAILS

PRINT DATE:
2/15/2021 12:47:47 PM

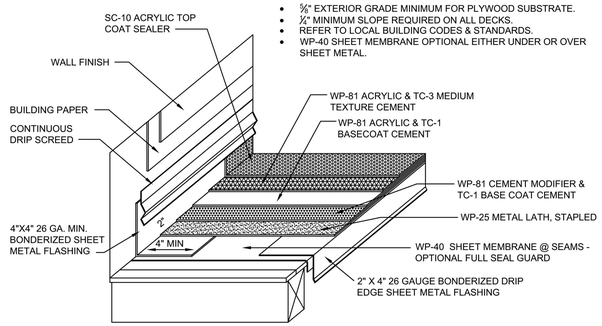
SHEET NO.
A902



2 DOOR THRESHOLD AT DECK
6" = 1'-0"

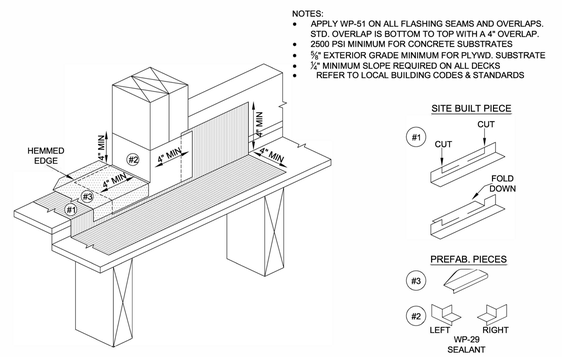


NOTES:
- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STANDARD OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES.
- 5/8" EXTERIOR GRADE MINIMUM FOR PLYWOOD SUBSTRATE.
- 1/4" MINIMUM SLOPE REQUIRED ON ALL DECKS.
- REFER TO LOCAL BUILDING CODES & STANDARDS.
- WP-40 SHEET MEMBRANE OPTIONAL EITHER UNDER OR OVER SHEET METAL.



DECK TO WALL FLASHING

NOTES:
- APPLY WP-51 ON ALL FLASHING SEAMS AND OVERLAPS. STD. OVERLAP IS BOTTOM TO TOP WITH A 4" OVERLAP.
- 2500 PSI MINIMUM FOR CONCRETE SUBSTRATES
- 5/8" EXTERIOR GRADE MINIMUM FOR PLYWD. SUBSTRATE
- 1/4" MINIMUM SLOPE REQUIRED ON ALL DECKS
- REFER TO LOCAL BUILDING CODES & STANDARDS



DECK TO TRESHOLD FLASHING

1 DECK DETAIL
1 1/2" = 1'-0"

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

REGISTERED ARCHITECT 7227 DALE SWEENEY STATE OF WASHINGTON

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
RVSD:

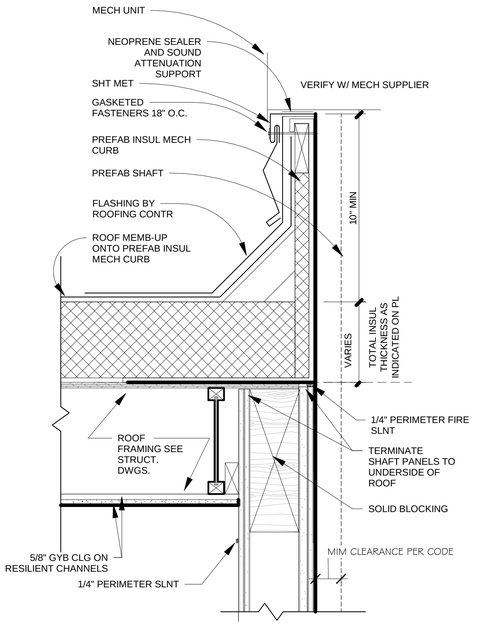
REVISIONS
NO. DATE Revision Description

TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

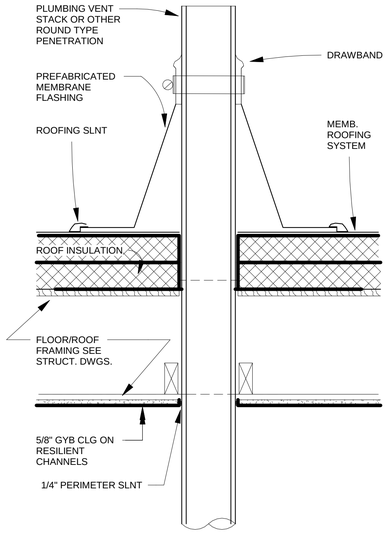
DECK DETAILS

PRINT DATE:
2/15/2021 12:47:49 PM

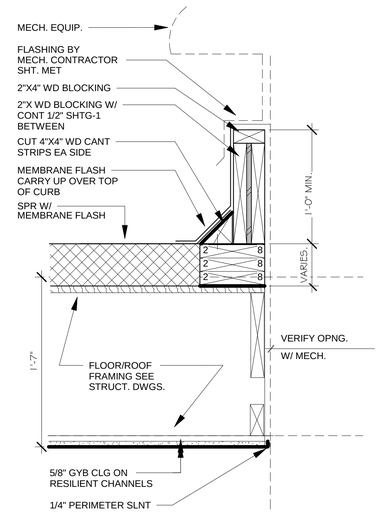
SHEET NO.
A903



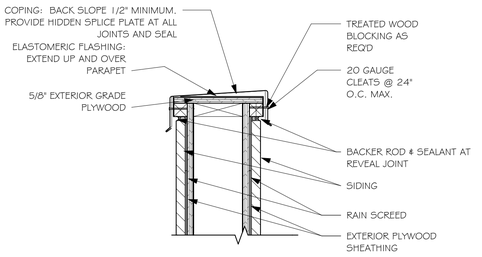
12 ROOF AHU CURB @ RATED SHAFT
1 1/2" = 1'-0"



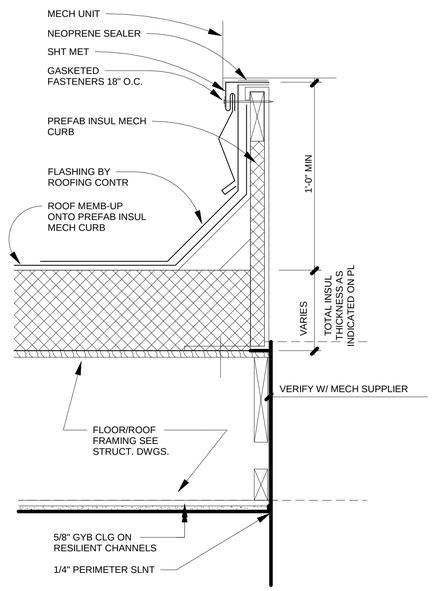
10 ROOF VENT
1 1/2" = 1'-0"



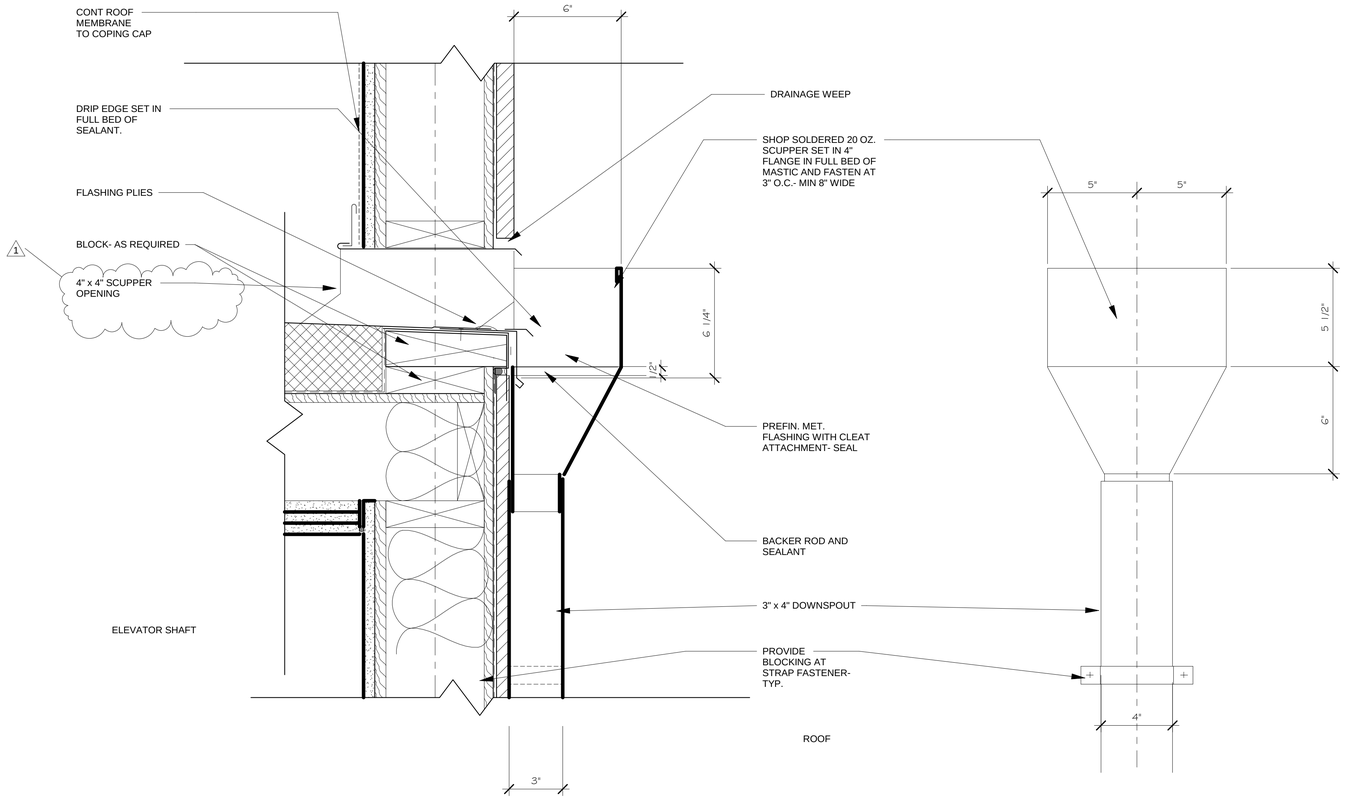
7 ROOF EQUIP CURB
1 1/2" = 1'-0"



1 PARAPET DETAIL
1 1/2" = 1'-0"



4 ROOF AHU CURB
1 1/2" = 1'-0"



3 ROOF SCUPPER
3" = 1'-0"

7227
REGISTERED ARCHITECT
DALE SWEENEY
STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: -
CHK'D BY: -
R/VSD: -

REVISIONS

NO.	DATE	Revision Description
1	9/18/19	City Comments

TP HOME 22 UNIT APTS.
2152
TP Home LLC
2152 N 185TH ST.

EXTERIOR DETAILS (ROOF)

PRINT DATE:
2/15/2021 12:47:49 PM

SHEET NO.
A904

Warnock Hersey

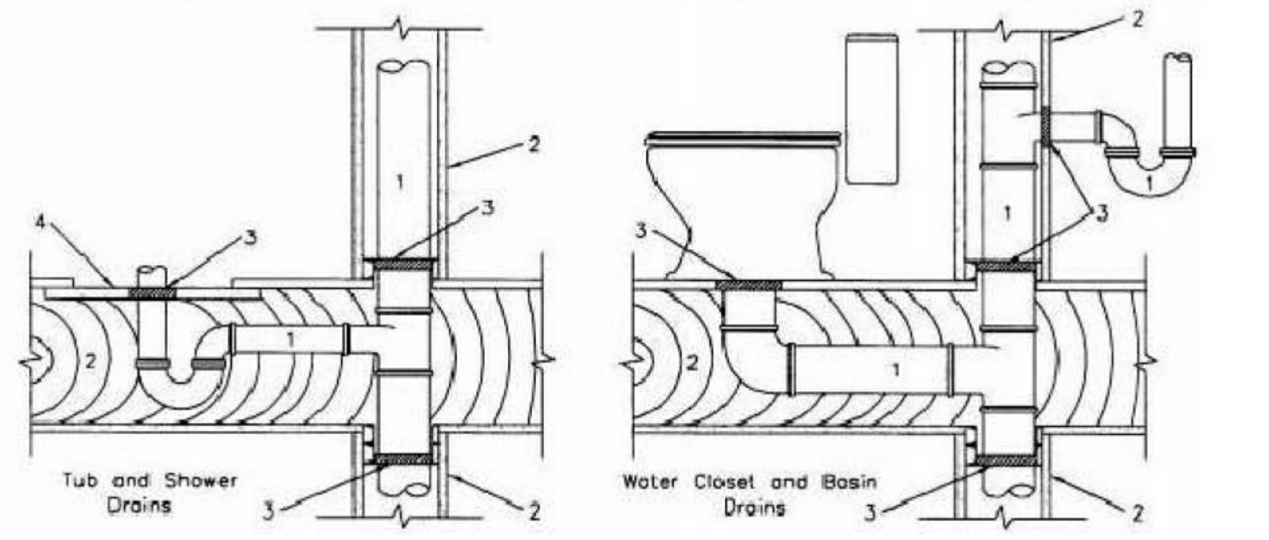
4800DW 3600EX

PFP/PHV 120-14

Single Penetrations

Horizontal or Vertical (floor/ceiling and walls)
Test Standards: ASTM E-814, UL 1479 for all penetrations;
ULC S115-M95 for metallic open and closed systems only
Test Furnace Internal Positive Pressure Differential – 2.5 Pa (0.01 in. of water) Minimum

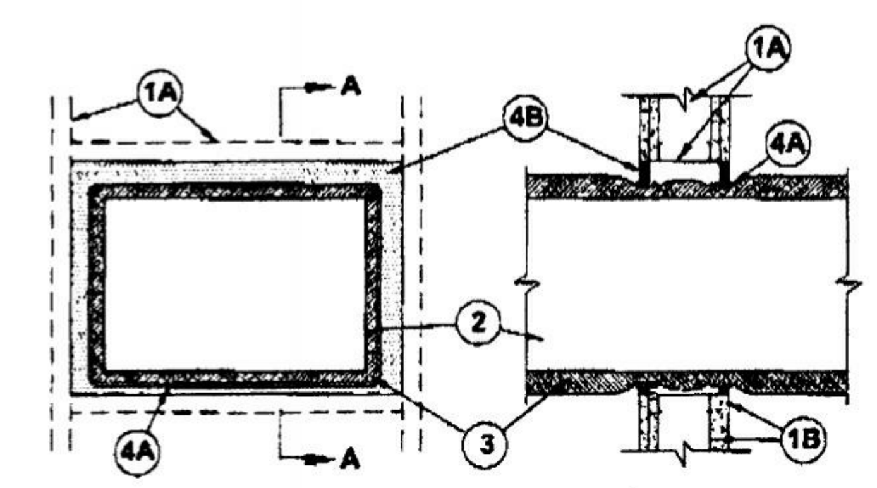
Penetrating Material & Size	Max Hole Size	Annular Space	Fire "F" Rating	Fire/Hose "FH" Rating	Temp Rating "F TH" Rating
ccABS Plastic Pipe to 4" (open and closed systems)	7"	1/8" - ½"	Up to 1 Hr	Up to 1 Hr	45 Min
ABS Plastic Pipe to 4" (open and closed systems)	7"	1/8" - ½"	Up to 1 Hr	Up to 1 Hr	45 Min
PVC Plastic Pipe to 4" (open and closed systems)	5¼"	0" - ¾"	Up to 2 Hr	Up to 2 Hr	Up to 2 Hr
ccPVC Plastic Pipe to 4" (open and closed systems)	5¼"	0" - ¾"	Up to 2 Hr	Up to 2 Hr	Up to 2 Hr
CPVC Plastic Pipe to 4" (open and closed systems)	5¼"	0" - ¾"	Up to 2 Hr	Up to 2 Hr	Up to 2 Hr
Polyethylene Plastic Pipe to 1" (closed systems)	3"	¼" - ½"	Up to 1 Hr	Up to 1 Hr	Up to 1 Hr
Copper Pipe and Tubing up to 4" ID	7"	¼" - ½"	Up to 2 Hr	Up to 2 Hr	23 Min
Cast Iron Pipe up to 4" ID	7"	¼" - ½"	Up to 2 Hr	Up to 2 Hr	55 Min



System Design Instructions

1. **Penetrating Item:** Centered or offset in hole, see table above. Elbows, Tee's and couplings can penetrate the firestop system.
2. **Floor/Ceiling or Wall Fire Separations:**
   a) 1 and 2 hour rated ASTM E-119 or CAN/ULC S101 metal or wood framed gypsum wall board (GWB) floor/ceiling/wall assemblies with or without concrete topping.
   b) 1 or 2 hour rated metal or wood framed gypsum wallboard wall assemblies.
   c) Wood framed floor/ceiling assemblies:
      1 Hour Assembly with minimum nominal 10" depth wood floor joists.
      2 Hour Assembly with minimum nominal 10" depth wood floor joists.
   d) Concrete floor assemblies minimum 4½" (114mm) depth provided the penetrating item is contained within a fire rated wall assembly.
3. **Firestop System Component 1:** PFP Partners – Firestop 4800DW* or 3600EX* fully filling the annular space to the full depth of the membrane. Fill all header and sill plates contained within the wall assembly to a 1" (25mm) depth. On 0" to ¼" (6mm) annular spaces a 3/8" (10mm) diameter fillet bead must be place around the penetrating item on the surface of the GWB assembly.
4. **Firestop System Component 2:** One layer of 5/8" Type "X" gypsum wallboard filler material securely fastened with drywall screws on 4" (100mm) centers to reduce tub drain hole sizes up to 12" x 16" (300 x 400mm). Caulk a 3/8" (10mm) bead around perimeter edges of GWB insert after installation.

***WH Labeled Component**



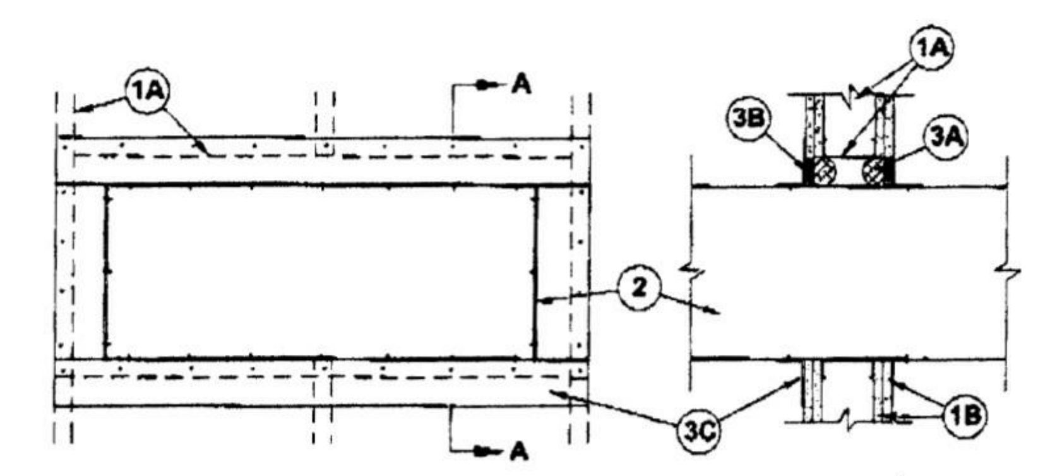
Section A-A

System No. W-L-7028
F Rating — 1 and 2 Hr (See Item 1)
T Rating — 0 Hr

1. **Wall Assembly** — The 1 or 2 hr fire-rated gypsum wallboard/ stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** — Wall framing shall consist of min 3-5/8 in. wide steel channel studs spaced max 24 in. OC. Additional 3-5/8 in. wide steel studs shall be used to completely frame the opening.
   B. **Wallboard, Gypsum*** — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U400 Series Designs in the UL Fire Resistance Directory. Max area of opening is 362 sq in. with a max dimension of 22-5/8 in.
   The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. **Steel Duct** — Nom 18 by 12 in. (or smaller) No. 24 gauge (or heavier) steel duct to be installed within the framed opening. Steel duct to be rigidly supported on both sides of the wall assembly.
3. **Batt and Blankets*** — Max 1-1/2 in. thick glass fiber batt or blanket (min 3/4 pcf) jacketed on the outside with a foil-scrim-kraft facing. Longitudinal and transverse joints sealed with aluminum foil tape. During the installation of the batt or blanket, the batt or blanket may be compressed such that the annular space within the firestop system shall be min 1/2 in. to max 2 in.
   See **Batts and Blankets** (BKNV) category in the Building Materials Directory for names of manufacturers. Any batt or blanket meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
4. **Firestop System** — The firestop system shall consist of the following:
   A. **Fill, Void or Cavity Material* — Wrap Strip** — Nom 1/4 in. thick intumescent material faced on both sides with a plastic film, supplied in 1-1/2 in. wide strips. Single layer of wrap strip wrapped around the through penetrant with the ends butted and held in place by means of two layers of foil tape. Wrap strip installed such that 1-1/4 in. of the wrap strip extends into the wall. One set of wrap strips to be installed on each side of the wall.
   Specified Technologies Inc. — SpecSeal RED Wrap Strip
   B. **Fill, Void or Cavity Material* — Sealant** — Min 5/8 in. thickness of fill material applied within annulus, flush with both surfaces of the wall. A min 1/4 in. bead of fill material shall be applied at the wrap strip/ insulated through-penetrant interface on both sides of the wall.
   Specified Technologies Inc. — SpecSeal Series 100 Sealant

*Bearing the UL Classification Marking

FOD-3252



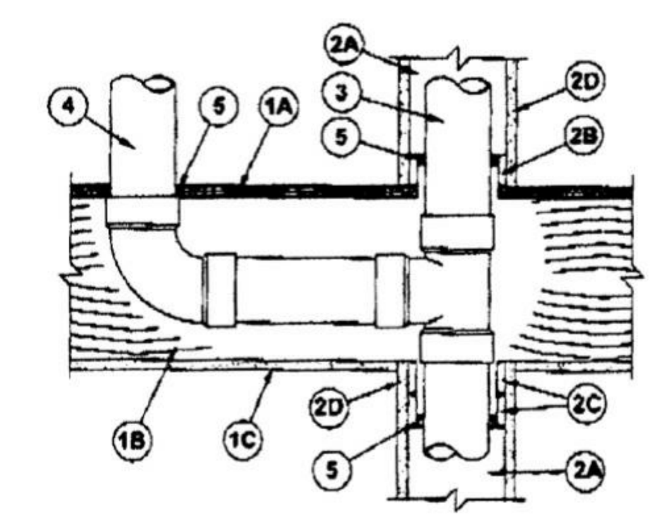
Section A-A

System No. W-L-7025
F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 Hr

1. **Wall Assembly** — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described *in* the individual U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** — Wall framing shall consist of min 3-5/8 in. wide steel channel studs spaced max 24 in. OC. Additional 3-5/8 in. wide steel studs shall be used to completely frame the opening.
   B. **Wallboard, Gypsum*** — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U400 Series Design in the UL Fire Resistance Directory. Max area of opening is 1357-1/2 sq in. with max dimensions of 45-1/4 in.
   The hourly F Rating of the firestop system is equal to the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. **Steel Duct** — Nom 42 by 28 in. (or smaller) No. 24 gauge (or heavier) steel duct to be installed within the opening. The space between the steel duct and the periphery of the opening shall be min 0 in. (point contact) to max 2 in. Steel duct to be rigidly supported on both sides of the wall assembly.
3. **Firestop System** — The firestop system shall consist of the following:
   A. **Packing Material** — (Optional) — Polyethylene backer rod, mineral wool batt insulation or fiberglass batt insulation friction-fit into annular space for 2 hr rated wall assemblies only. Packing material to be recessed from both surfaces if wall to accommodate the required thickness of fill material (Item 3B).
   B. **Fill, Void or Cavity Material* — Sealant** — Min 5/8 in. thickness of fill material applied within annulus, flush with both surfaces of wall assembly. At the point contact location between duct and wallboard, a min 1/4 in. diam bead of sealant shall be applied at the wallboard/steel duct interface on both surfaces of the wall assembly.
   Specified Technologies Inc. — SpecSeal Series 100 Sealant
   C. **Retaining Angles** — Min No. 16 gauge galv steel angles sized to lap steel duct a min of 2 in. and lap wall surfaces a min 1 in. Angles attached to steel duct on both sides of wall with min No. 10 by 1/2 in. long steel sheet metal screws spaced a max of 1 in. from each end of steel duct and spaced a max 6 in. OC.

*Bearing the UL Classification Marking

FOD-3235



System No. F-C-2157
F Rating — 1 Hr
T Rating — 1 Hr

1. **Floor-Ceiling Assembly** — The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. **The F Rating of the firestop system is equal to the ratings of the floor-ceiling and wall assemblies.** The general construction features of the floor-ceiling assembly are summarized below:
   A. **Flooring System** — Lumber or plywood subfloor with finish floor of lumber, plywood or **Floor Topping Mixture*** as specified in the individual Floor-Ceiling Design. Diam of opening hole-sawed in flooring shall be 1 in. larger than diam of branch piping (Item 4).
   B. **Wood Joists*** — Nom 10 in. deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or **Structural Wood Members*** with bridging as required and with ends firestopped.
   C. **Wallboard, Gypsum*** — Nom 4 ft. wide by 5/8 in. thick, attached as described in the individual Floor-Ceiling Design.
2. **Chase Wall** — The through-penetrant (Item 3) shall be routed through a 1 hr fire-rated single, double or staggered wood stud/ gypsum wallboard chase wall constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs** — Nom 2 by 6 in. or double nom 2 by 4 in. lumber studs.
   B. **Sole Plate** — Nom 2 by 6 in. or parallel 2 by 4 in. lumber plates, tightly butted. Diam of opening cut in sole plate shall be 1/2 in. larger than diam of through penetrant (Item 3)
   C. **Top Plate** — The double top plate shall consist of two nom 2 by 6 in. or two sets of parallel 2 by 4 in. lumber plates, tightly butted. Diam of opening cut in double top plate shall be 1/2 in. larger than diam of through penetrant (Item 3).
   D. **Wallboard, Gypsum*** — Thickness, type, number of layers and fasteners shall be as specified in individual Wall or Partition Design.
3. **Through Penetrant** — One nonmetallic pipe to be installed concentrically or eccentrically within the firestop system. The annular space within the opening shall be a min 0 in. (point contact) to a max 1/2 in. The following types and sizes of nonmetallic pipes may be used:
   A. **Polyvinyl Chloride (PVC) Pipe** — Nom 4 in. diam (or smaller) Schedule 40 cellular or solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   B. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** — Nom 4 in. diam (or smaller) SDR17 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   C. **Acrylonitrile Butadiene Styrene (ABS) Pipe** — Nom 4 in. diam (or smaller) Schedule 40 cellular or solid core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
4. **Branch Piping** — (Optional) — One nonmetallic pipe connected to through penetrant (Item 3) within concealed space above ceiling and centered within opening in flooring. The following types and sizes of nonmetallic pipes may be used:
   A. **Polyvinyl Chloride (PVC) Pipe** — Nom 4 in. diam (or smaller) Schedule 40 cellular or solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   B. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** — Nom 4 in. diam (or smaller) SDR17 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   C. **Acrylonitrile Butadiene Styrene (ABS) Pipe** — Nom 4 in. diam (or smaller) Schedule 40 cellular or solid core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
5. **Fill, Void or Cavity Material* — Sealant** — Min 3/4 in. thickness of fill material applied within annular space around perimeter of through penetrant (Item 3), flush with top surface of sole plate and flush with bottom surface of double top plate. Min 3/4 in. thickness of fill material applied within annular space around branch piping (Item 4), flush with top surface of flooring. At point contact locations within the chase wall assembly, apply min 1/4 in. diam bead of fill material at nonmetallic pipe/ wood plate interface on top and bottom surface of chase wall assembly.
   Specified Technologies Inc. — SpecSeal 100, 101, 102 or 105 Sealant

* Bearing the UL Classification Marking

FOD-3307

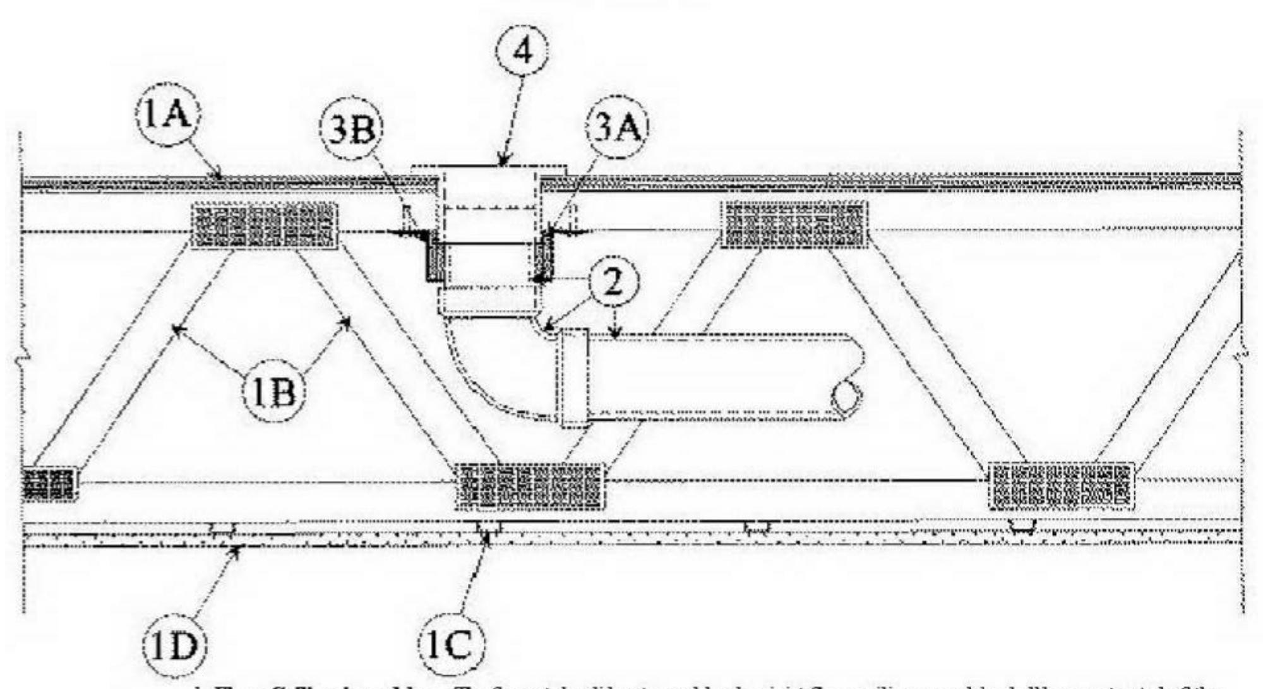
Through-penetration Firestop Systems

System No. F-C-2037

November 26, 1997

F Rating — 1 Hr

T Rating — 1 Hr



1. **Floor-Ceiling Assembly** — The fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction details of the floor-ceiling assembly are summarized below:
   A. **Flooring System** — Lumber or plywood sub floor with finish floor of lumber, plywood or **Floor Topping Mixture*** as specified in the individual Floor-Ceiling Design. Max diam of opening is 5 in.
   B. **Wood Joists** — Nom 2 by 10 in. lumber joists spaced 16 in. OC with nom 1 by 3 in. lumber bridging and with ends firestopped. As an alternate to lumber joists, nom 10 in. deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or **Structural Wood Members*** with bridging as required with ends firestopped.
   C. **Furring Channels** — Resilient galv steel furring installed perpendicular to wood joists (Item 1B) between wallboard (Item 1D) and wood joists as required in the individual Floor-Ceiling Design.
   D. **Gypsum Board*** — Nom 4 ft wide by 5/8 in. thick as specified in the individual Floor-Ceiling Design. Wallboard secured to wood joists as specified in the individual Floor-Ceiling Design.
2. **Drain Piping** — Nom 4 in. diam (or smaller) Schedule 40 polyvinyl chloride (PVC) or acrylonitrile butadiene styrene (ABS) drain piping and fittings. Diam of circular opening hole through flooring (Item 1A) to be max 1/2 in. larger than outside diam of pipe. Short length of pipe with 90 degree elbow fitting cemented into bottom socket of closet flange (Item 5). Drain piping cemented to elbow.
3. **Firestop System** — The firestop system shall consist of the following:
   A. **Fill, Void or Cavity Materials* — Wrap Strip** — Nom 1/4 in. thick intumescent material faced on both sides with a plastic film, supplied in 1-1/2 in. wide strips. Nom 1-1/2 in. wode strips tightly-wrapped around nonmetallic pipe with the edges butted against the underside of flooring and around the entire perimeter of the hole-sawed opening. Two layers of wrap strip are required. Each layer of wrap strip to be installed with butted seam, butted seams in successive layers staggered or aligned. Wrap strip layer(s) temporarily held in position using aluminum foil tape.

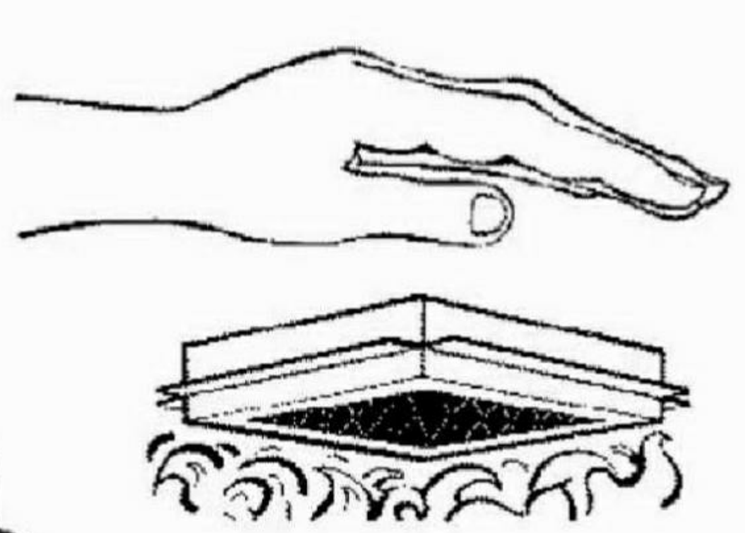
   SPECIFIED TECHNOLOGIES INC — SpecSeal RED Strip

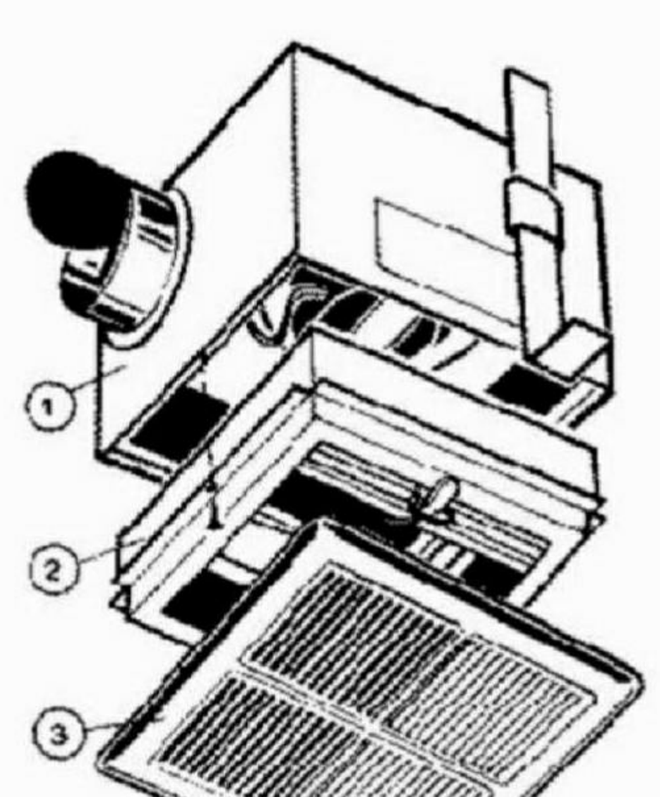
   B. **Steel Collar** — Collar fabricated from coils of precut 0.016 in. thick (30 MSG) galv sheet steel available from wrap strip manufacturer. Collar shall be nom 1-1/2 in. deep with min four 1 in. wide by 2 in. long anchor tabs for securement to top surface of flooring. Retainer tabs, 3/4 in. wide tapering down to 1/4 in. wide and located opposite the anchor tabs, are folded 90 degrees toward through-penetrant surface to maintain the annular space around the through-penetrant and to retain the wrap strips. Steel collar wrapped around wrap strips and through-penetrant with a 1 in. wide overlap along its perimeter joint and secured together by means of a min 1/2 in. wide by 0.028 in. thick stainless steel hose clamp at mid-height of the steel collar. As an alternate to the steel hose clamp, the steel collar can be secured together by means of three No. 8 by 3/8 in. long steel sheet metal screws. Anchor tabs of collar bent outwards and secured to top surface of flooring or underside of floor using min 3/4 in. long steel wood screws in conjunction with 1/4 in., by 1-1/4 in. diam steel fender washers.
4. **Closet Flange** — PVC or ABS closet stub sized to accommodate drain pipe. Closet flange installed in hole-sawed opening in flooring system with flange secured to top of flooring with steel screws.
5. **Water Closet** — (Not Shown) — Floor mounted vitreous china water closet.

*Bearing the UL Classification Mark

Fire Fighter

EXHAUST FAN WITH CEILING RADIATION DAMPER





1. Reversomatic Exhaust Fan
2. Firefighter Radiation Damper. Fits inside Fan Housing
3. Ceiling Grille. Fits over Firefighter Damper

The "Firefighter" is the simple solution for fire rated ceilings, that requires a maximum of 3 hours fire resistance.
The "Firefighter" radiation damper and fan housing combination features the lowest height assembly in the industry.
The REVERSOMATIC Ceiling fan, with built-in Fire Radiation Damper, offers the best protection against flame penetration and radiant heat.
All REVERSOMATIC "Firefighter" fans are factory-assembled as one complete unit to guarantee proper installation and consistent workmanship.
Now specify the perfect combination REVERSOMATIC ceiling exhaust fans with Built-in FIREFIGHTER dampers.
Normal operation REVERSOMATIC fans perform their job of removing specified quantities of air quietly and efficiently.
The Firefighter ceiling damper is normally in the open position out of the air stream. In case of fire, the fusible link separate, and a non-asbestos ceramic blanket closes off all air movement throughout the fan.

C US

R19310 CR2292

Rated for UL 555C Ceiling assemblies up tp 3 hours

CROSS REFERENCE CHART

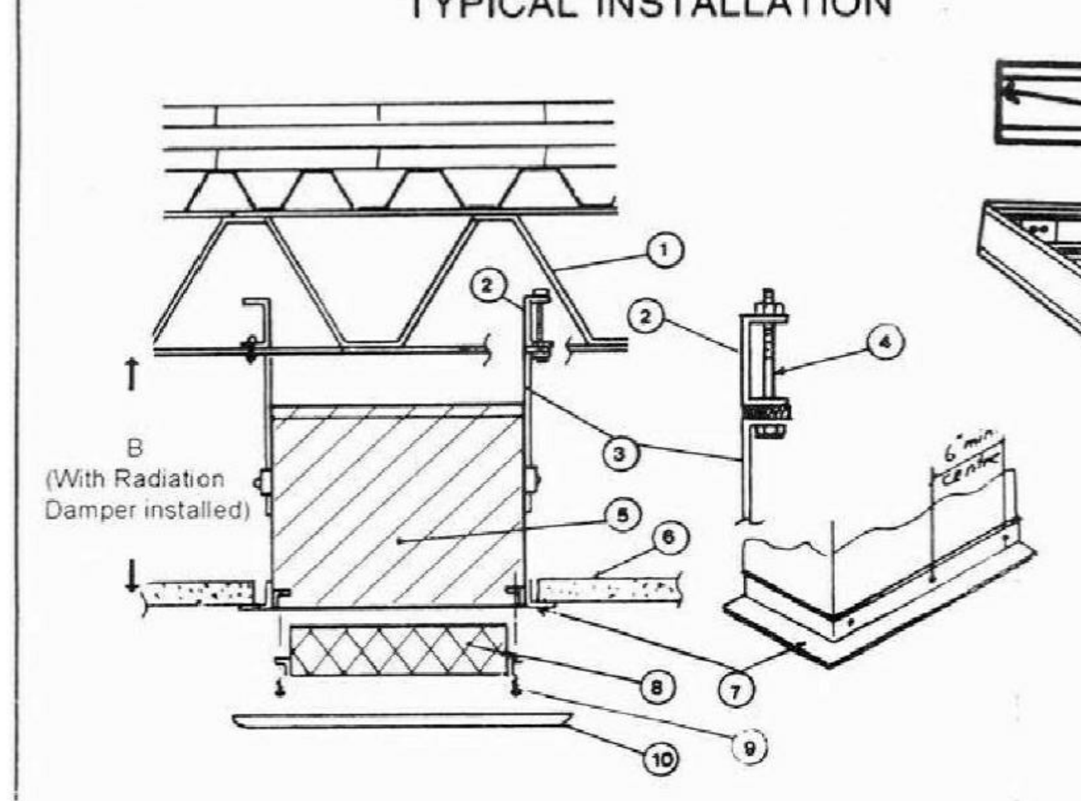
FIREFIGHTER MODEL	FANMODEL	FAN (W X L)	FANHEIGHT W/RADIATION DAMPER
FF-50	EB50, EB60, EB70	8" x 9"	7.5"
	EB-80, EB-100	8" x 9"	7.5"
FF-100	QB-80, -100, -120, -150, -200	10" x 10"	7-1/2"
	QCF-95, QCF-110, QCF-125, QB-130	10" x 10"	10-1/2"
	QCF-170	10" x 10"	11"
FF150	CFS 150, CFS 250	12" x 12"	11-1/4"
	CFS 350	12" x 12"	12"
FF-200	QCF-200, QCF-300	18" x 10"	12-1/2"
FF-225	CF-225,	13.5" x 13.5"	14"
	CF-375, CF-425	13.5" x 13.5"	15-1/2"
FF-400	QCF-400	19" x 12"	14-1/2"
FF-500	QCF-500, QCF-600, QCF-800	24" x 14"	16-1/2"
FF-1000	QCF-1000	32" x 14"	16-1/2"
FF-1300	QCF-1300, QCF-1600	38" x 14"	16-1/2"

13

FIREFIGHTER CROSS-REFERENCE

Firefighter Model	Fan Model	Opening Size	Firefighter Size	Dimension A	Dimension B
FF-50	EB-45, EB-50, EB-55, B-60	8" x 9"	7 3/8" x 8 3/8"	3 3/4"	7"
FF-85	EB-100, RS-85	8" x 9"	7 3/8" x 8 3/8"	3 3/4"	8"
FF-100	QB-80, B-100, K-100, BK-100 BB-100, QK-100, QB-100S	9" x 9"	8 3/4" x 8 3/4"	2 1/8"	7 1/2"
FF-125	QCF-125, RS-95	9" x 9"	8 3/4" x 8 3/4"	2 1/8"	9 1/2"
FF-200	QCF-200, QCF-300	17" x 9 1/8"	16 3/4" x 8 7/8"	2 1/8"	12 1/2"
FF-225	CF-225 CF-375, CF-425	12 1/2" x 12 x 1/2"	12 1/4" x 12 1/4"	2 1/8"	14" 15 1/2"
FF-400	QCF-400	18" x 11"	17 3/4" x 10 3/4"	2 1/8"	14 1/2"
FF-500	QCF-500, QCF-600, QCF-800	23 1/8" x 13"	22 7/8" x 12 3/4"	2 1/8"	16 1/2"

INSTALLATION INSTRUCTIONS
TYPICAL INSTALLATION



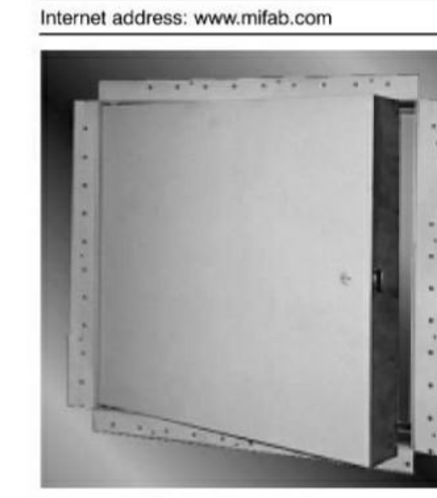
1. JOISTS
2. CHANNELS
3. BRACKETS
4. NUT & BOLT
5. FAN
6. CEILING TILES
7. 3/4" X 3/4" ANGLE
8. CEILING DAMPER
9. SCREWS MIN 6" OC. SPACING
10. GRILLE

MIFAB®

MPFR-DW

INSULATED FIRE RATED ACCESS DOOR WITH DRYWALL BEAD

Internet address: www.mifab.com   Toll Free: 1-800-465-2736   Canada Toll Free: 1-800-387-3880



SERIES MPFR-DW

INSULATED FIRE RATED ACCESS DOOR WITH DRYWALL BEAD FRAME

DESCRIPTION

The MIFAB® MPFR-DW fire rated access door is approved by Underwriters Laboratories Inc., for 1-1/2 hours, "B" label in walls and is approved by Warnock Hersey for 2 hours in ceilings and 3 hours in walls. It meets ANSI-UL 10B standards. The same door can be used in walls and ceilings. Tests were conducted using mild steel and type 304 stainless steel. The MPFR-DW incorporates a drywall bead type of frame for a concealed frame application.

SPECIFICATIONS

Material MPFR Series is 20 gage satincoat steel door and 16 gage satincoat steel frame. The MPFR-DW-SS stainless steel Series is 20 gage #304 stainless steel door and 16 gage #304 stainless steel frame.
Finish Satincoat steel doors have a primed white finish. Stainless steel doors have a #4 brush satin finish.
Door Flush to frame. Self-closing. Can be opened from the inside or back of the door with MIFAB's unique thumb-turn latch.
Frame Four piece welded frame with masonry mounting straps and drywall bead frame for concealed drywall applications.
Hinge Concealed pivot pins.
Spring Heavy duty. An extra spring is provided with every door greater than 14" x 14" (356 x 356) for ceiling installation. Both springs must be attached to the door to ensure that the door will close when installed in the ceiling.
Latch Standard - Flush mounted, interchangeable turn-ring operator and key-operator latch. Optional - cylinder key lock. All of MIFAB's cylinder locks are keyed alike.
Fire Rating Underwriters Laboratories "B" label. 1 1/2 hours for walls. Warnock Hersey: 1 hour combustible ceilings and walls, 2 hour non-combustible ceilings and 3 hour non-combustible walls. Ceiling fire ratings are up to and including the 24" x 36" (610 x 914) size.
Insulation Roxul #1280. 2" (50) thick and fire retardant.
Packaging One door per carton.

A-B Door Size
C-D Overall Dimension - Door Size - Plus 2 5/8" (66)
E Wall Opening - Door Size - Plus 1/2" (13) (Allow an extra 1/4" (6) clearance for latch housing on "D" side).

Key Operator   Turn ring Operator

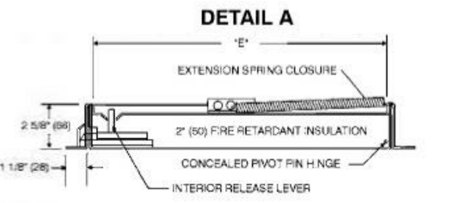
STANDARD SIZES (special sizes available upon request)

DOOR SIZE Inches "B" x "A"	DOOR SIZE mm "B" x "A"	WALL OPENING Inches	WALL OPENING mm	SHIPPING WEIGHT lbs.	SHIPPING WEIGHT kg.	LATCHES
8 x 8	203 x 203	8 1/2 x 8 1/2	216 x 216	10.0	4.5	1
10 x 10	254 x 254	10 1/2 x 10 1/2	267 x 267	12.0	5.4	1
12 x 12	305 x 305	12 1/2 x 12 1/2	318 x 318	14.0	6.3	1
12 x 18	305 x 457	12 1/2 x 18 1/2	318 x 470	16.0	7.2	1
12 x 24	305 x 610	12 1/2 x 24 1/2	318 x 622	19.0	8.6	1
14 x 14	356 x 356	14 1/2 x 14 1/2	368 x 368	15.5	7.0	1
16 x 16	406 x 406	16 1/2 x 16 1/2	419 x 419	16.5	7.5	1
18 x 18	457 x 457	18 1/2 x 18 1/2	470 x 470	19.0	8.6	1
20 x 20	508 x 508	20 1/2 x 20 1/2	521 x 521	24.0	10.9	1
22 x 22	559 x 559	22 1/2 x 22 1/2	571 x 571	28.0	12.7	1
22 x 30	559 x 762	22 1/2 x 30 1/2	571 x 775	35.0	15.9	1
24 x 24	610 x 610	24 1/2 x 24 1/2	622 x 622	30.0	13.6	1
24 x 36	610 x 914	24 1/2 x 36 1/2	622 x 927	46.0	20.9	2
24 x 48	610 x 1219	24 1/2 x 48 1/2	622 x 1232	65.0	29.5	2
30 x 30	762 x 762	30 1/2 x 30 1/2	775 x 775	45.0	20.4	1
32 x 32	813 x 813	32 1/2 x 32 1/2	826 x 826	47.0	21.3	1
36 x 36	914 x 914	36 1/2 x 36 1/2	927 x 927	60.0	27.2	2
36 x 48	914 x 1219	36 1/2 x 48 1/2	927 x 1232	80.0	36.3	2

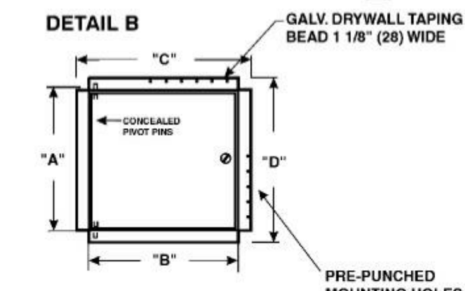
California State Fire Marshall Approval # 3330-1535:00

Warnock Hersey

DETAIL A



DETAIL B



OPTIONAL VARIATIONS:
☐ Cylinder key lock   suffix -C
☐ Stainless steel   suffix -SS
(Dimension) Denotes Millimetres

NOTE: The hinge is always furnished on the "A" or height (longer) dimension, unless otherwise specified.

MIFAB's factory is certified to the ISO 9001-94 Design and Manufacturing Standard. Design and dimensions are subject to modification.   A
Page A11

REGISTERED ARCHITECT
7227
DALE SWEENEY
STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
RVSD:

REVISIONS
NO.	DATE	Revision Description

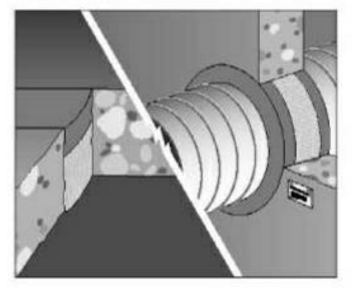
TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

FIRESTOP DETAILS 1

PRINT DATE:
2/15/2021 12:47:51 PM

SHEET NO.
A905

CP 606 Flexible Firestop Sealant



System Advantage / Customer Benefits
- Paintable
- Meets 500 cycle requirements (ASTM E 1966 & UL 2079)
- Smoke, fume and water resistant
- Easy clean up with water
- Single component systems available
- Meets LEED™ requirements for indoor environmental quality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings

Product description
- An acrylic based firestop sealant that provides movement capability in fire rated joints and seals through penetrations applications

Product features
- Silicone free
- Halogen, asbestos and solvent free
- UV-resistant

Areas of application
- Sealing construction/expansion joints
- Top-of-wall joints
- Metal pipes
- Cable bundles
- HVAC penetrations

For use with
- Various base materials such as masonry, concrete, metal, etc.
- Wall and floor assemblies rated up to 3 hours

Examples
- Where a gypsum wall assembly meets the underside of a metal or concrete deck
- Sealing expansion joints to impede the passage of fire, smoke and toxic fumes
- Sealing around HVAC penetrations through fire-rated assemblies

CP 606 Technical Data

At 73°F (23°C) and 50% relative humidity

Chemical basis	Acrylic based firestop sealant
Density	Approx. 1.5 g/cm³
Color	Available in red or white
Application temperature	40°F to 104°F (5°C to 40°C)
Skin-forming time	Approx. 15 min
Curing rate	Approx. 2 mm / 3 days
Volume shrinkage	Less than 20%
Movement capability	Approx. 10%
Temperature resistance	–22°F to 176°F (–30°C to 80°C)
Surface burning characteristics (ASTM E 84-96)	Flame Spread: 0; Smoke Development: 5
Sound transmission classification (ASTM E 90-99)	56

Approvals

ICBO Evaluation Service, Inc.	Report No. ER-5614
California State Fire Marshal	Listing no. 1452-1200:112
City of New York	MEA 100-99-M

Tested in accordance with
- UL 2079
- ASTM E 1966
- UL 1479
- ASTM E 814
- ASTM E 84

Internationally tested and approved

FILL, VOID OR CAVITY MATERIAL FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS AND JOINT SYSTEMS SEE UL FIRE RESISTANCE DIRECTORY 66Y7

FM APPROVED

British Standard BS 476

INTRODUCTION | APPLICATIONS / PRODUCTS | SYSTEM DETAILS | ESTIMATING TABLES / TECH DATA

Installation instructions for CP 606

Opening
1. Clean the opening. Surfaces to which CP 672 will be applied should be cleaned of loose debris, dirt, oil, wax and grease. The surface should be moisture and frost free.

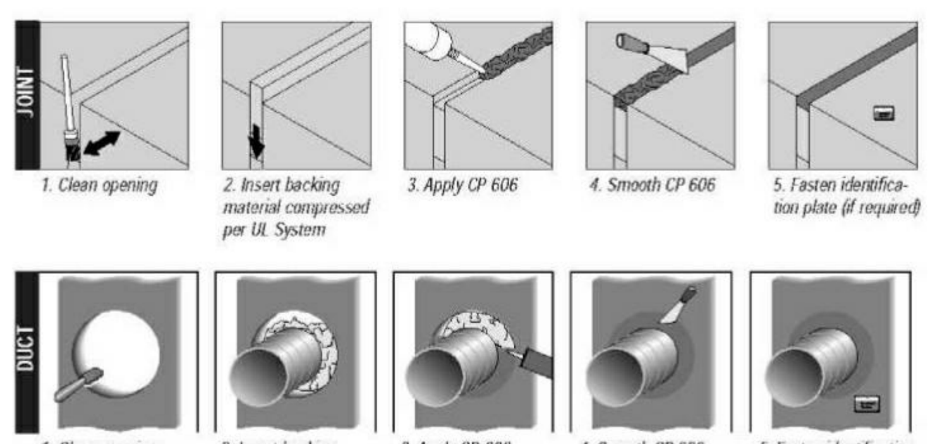
Application of firestop
2. Insert fill of mineral wool or backer (as required).
3. Apply firestop over backer.
4. Smooth firestop sealant with a trowel before the skin forms. Once cured, CP 606 can only be removed mechanically.
5. For maintenance reasons, a penetration seal can be permanently marked with an identification plate and fastened in a visible position next to the seal.

Notice about approvals
- When using Hilti CP 606 Flexible Firestop Sealant, check that the joint or pipe application has been sealed according to the applicable drawing in the UL Fire Resistance Directory or the Hilti Firestop Manual.

Not to be used...
- On areas immersed in water

Safety precautions
- Keep out of reach of children
- Read the Material Safety Data Sheet
- Eyes and hands must be suitably protected
- Avoid contact with eyes/skin
- Only use in well ventilated areas

Storage
- Store only in the original packaging in a location protected from moisture at a temperature of 40°F to 77°F (5°C to 25°C)
- Observe expiration date on package



latest product information : www.us.hilti.com

ordering information see page: 35

CP 642 Firestop Collar

Product description
- Galvanized sheet steel containing sections of intumescent material (designed to expand when exposed to fire) for firestopping large combustible pipes

Product features
- Ready-to-use collar, no construction required, therefore fast installation time
- Adjustable/moveable fastening tabs

Tested in accordance with
- UL 1479
- ASTM E 814
- DIN 4102

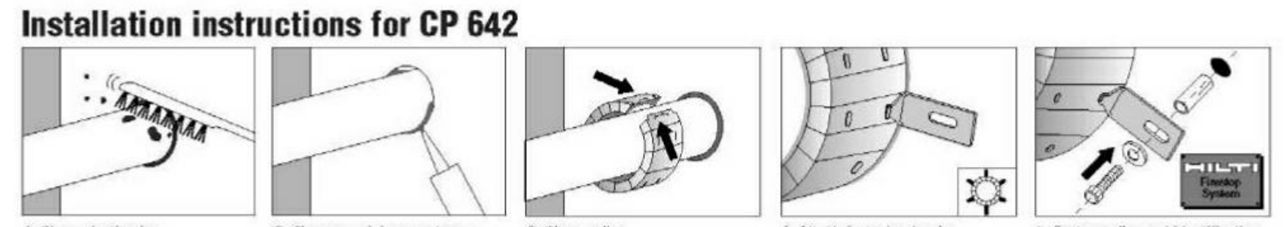
Dimensions
CP 642 Collar/plastic pipes

Designation	Pipe outside dia. (in.)	Collar outside dia. (in.)	Collar Height (in.)	No. of hooks and fasteners
CP 642-160/6"	6.6	8.2	4.4	6
CP 642-200/8"	8.8	10.0	6.9	7
CP 642-250/10"	10.8	12.4	9.1	9

Approvals

ICBO Evaluation Service, Inc.	Report No. 5071
California State Fire Marshal	Listing No. 4485-1200:105
City of New York	Report No. MEA 113-96-M

Installation instructions for CP 642



Opening
1. Clean the plastic pipes. Expansion of the intumescent material during a fire acts to close the plastic pipe. Very dirty pipes with, for example, remains of mortar, may lead to a delay in this closing action. Soiled plastic pipes should, therefore, be cleaned in the area where the CP 642 firestop collar is to be installed.

Application of firestop system
2. Seal the opening. Gaps must be closed with FS-ONE. The approved methods vary and are given in the specific UL system.
3. Close the CP 642 firestop collar. Place the CP 642 firestop collar around the plastic pipe and lock the closure with firm pressure until it latches.
4. Attach fastening hooks. The fastening hooks can be attached to various points on the metal housing. This allows the fastening points to be made to suit the space available in each case. The hooks must be positioned as symmetrically as possible. The required number of fastening hooks is indicated on the packaging.
5. Fastening the CP 642 firestop collar. Only when fastened properly can CP 642 protect against fire passing through.
   a. Mark the fastening points.
   b. Drill holes with a Hilti rotary hammer drill (i.e. TE 5) or, depending on base material, fasten using Hilti power actuated tool (e.g. DXA 40).
   c. To secure the CP 642 firestop collar, use Hilti anchors/fasteners.
   d. For maintenance reasons, a penetration seal could be permanently marked with an identification plate. In such a case mark the identification plate and fasten it in a visible position next to the seal.

Notice about approvals
- When making a pipe seal using Hilti CP 642 Intumescent Firestop Collar, please refer to the UL directory or Hilti Firestop Manual for restrictions as to opening size, type and thickness of wall or floor, maximum pipe diameter, etc.

Not for use...
- With metal pipes
- In highly corrosive surroundings
- With unapproved anchors/fasteners

Safety precautions
- Keep out of the reach of children
- Read the Material Safety Data Sheet

Storage
- Store only in the original packaging in a location protected from moisture

CP 642 Firestop Collar

Product description
- Galvanized sheet steel containing sections of intumescent material (designed to expand when exposed to fire) for firestopping large combustible pipes

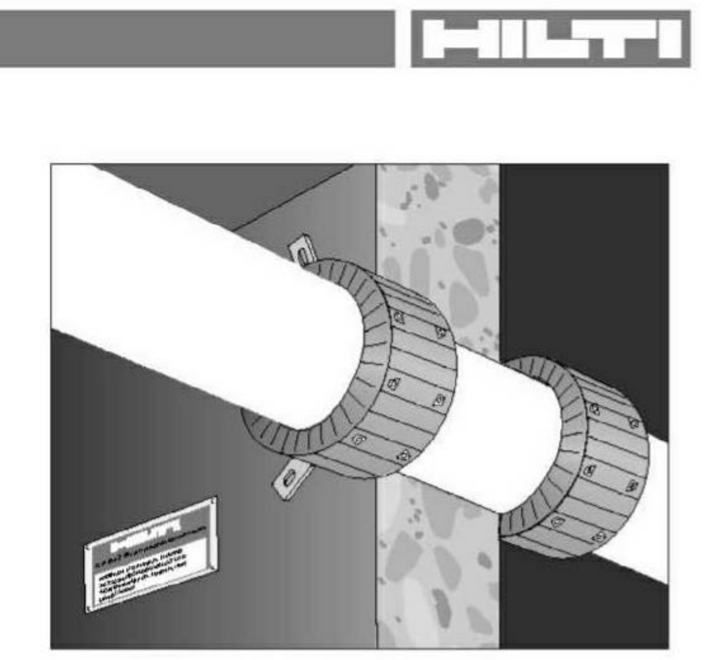
Areas of application
- Sealing of penetrations for combustible pipes from 6" to 20" in diameter.
- Vented or closed pipe
- PVC, CPVC, ABS, FRPP, PVDF pipes

For use with
- Concrete, masonry, wood floor assemblies and gypsum walls
- Wall and floor assemblies rated up to 4 hours

Types of installation
- Wall: two collars, one on each side
- Floor: one collar on underside (bottom)

Examples
- Waste water pipes
- Fresh water pipes

System advantages/Customer benefits
- Snap connection for quick and easy closure without use of a tool
- Adjustable position tabs for convenient fastening
- Ready to use out of the package



Internationally tested and approved

UNDERWRITERS LABORATORIES, INC. CLASSIFIED WALL OPENING PROTECTIVE MATERIAL FIRE RESISTANCE CLASSIFICATION SEE PRODUCT CATEGORY IN UL FIRE RESISTANCE DIRECTORY 8N70

FM APPROVED For Penetration Fire Stops. Consult the Factory Mutual Research Corporation Approval Guide.

British Standard BS 476

CP 642 Firestop Collar*

Description	Package Contents (pcs)	Ordering Designation	Item No.
CP 642 Firestop Collar	1	CP 642-160/6"	00236709
CP 642 Firestop Collar	1	CP 642-200/8"	00310084
CP 642 Firestop Collar	1	CP 642-250/10"	00310085
* incl. fastening hooks			
Fastening hook	10	CP 642 hook	00236711

CP 642

CP 601S

Elastomeric Firestop Sealant

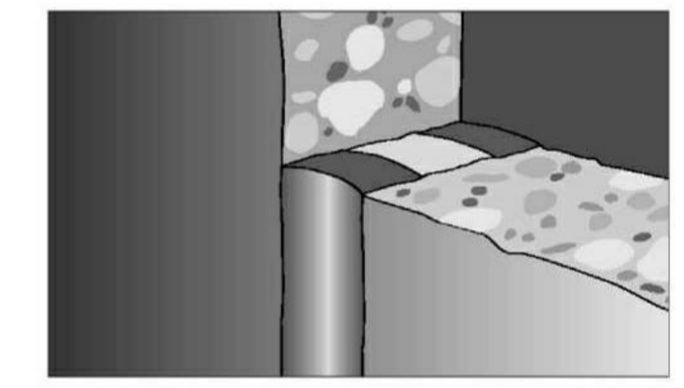
Product description
- A silicone based firestop sealant that provides maximum movement in fire-rated joint applications and pipe penetrations

Product features
- Halogen and solvent free
- Asbestos free
- Simple to use and apply
- Good adhesion without use of a primer
- Smoke, fume, water, weather and UV resistant
- Excellent movement capability, meets 500 cycle requirements (ASTM E 1966 & UL 2079)
- Meets Class I W-rating requirements
- Meets LEED™ requirements for indoor environmental quality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings

Areas of application
- Sealing construction/expansion joints
- Top-of-wall joints
- Metal pipes
- Cable bundles
- HVAC penetrations

For use with
- Various base materials such as masonry, concrete, metal, glass, etc.
- Wall and floor assemblies rated up to 4 hours

Examples
- Where a gypsum wall assembly meets the underside of a metal or concrete deck
- Sealing expansion joints to impede the passage of fire, smoke and toxic fumes
- Sealing HVAC penetrations through fire-rated assemblies



CP 601S Technical Data

Chemical basis	Natural Elastic silicone
Density	Approx. 1.25 g/cm³
Color	Red
Application temperature	40°F to 104°F (5°C to 40°C)
Skin-forming time	Approx. 15 min.
Curing rate	Approx. 2 mm / 3 days
Volume shrinkage	Approx. 0 – 5%
Movement capability	Approx. 25%
Temperature resistance	–40°F to 320°F (–40°C to 160°C)
Surface burning characteristics (ASTM E84-96)	Flame spread: 0; Smoke development: 30
Sound transmission classification (ASTM E 90-97):	50 (Relates to specific construction)
Approvals	
California State Fire Marshal	Listing No. 1451-1200:115; Listing No. 1452-1200:113; Listing No. 4485-1200:123
City of New York	MEA 101-99-M, Vol. IV
Tested in accordance with	• UL 2079 • ASTM E 1966 • UL 1479 • ASTM E 814 • ASTM C 920 • ASTM E 84

At 73°F (23°C) and 50% relative humidity

FILL, VOID OR CAVITY MATERIAL FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS AND JOINT SYSTEMS SEE UL FIRE RESISTANCE DIRECTORY 66Y7

FM APPROVED

rated

Installation instructions for CP 601S

Notice
- Before handling, read Material Safety DataSheet and product label for safe usage and health information.
- Instructions below are general guidelines — always refer to the applicable drawing in the UL Fire Resistance Directory or Hilti Firestop Systems Guide for complete installation information

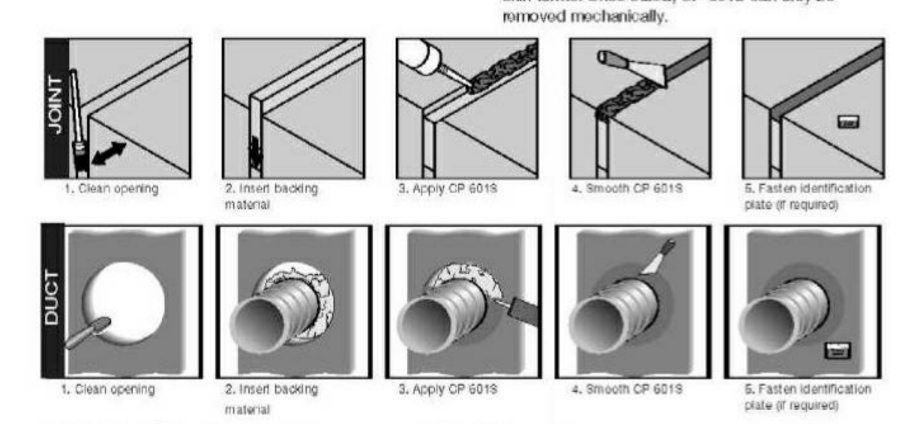
Opening
1. Clean the opening. Surfaces to which CP 601S will be applied should be cleaned of loose debris, dirt, oil, wax and grease. The surface should be moisture and frost free.

Application of firestop
2. Insert fill of mineral wool (or backer as required).
3. Apply firestop over backer.
4. Smooth firestop sealant with a trowel before the skin forms. Once cured, CP 601S can only be removed mechanically.
5. For maintenance reasons, a penetration seal can be permanently marked with an identification plate and fastened in a visible position next to the seal.

Chemical resistance
- At room temperature the cured silicone sealant is resistant for a short time to diluted (15%) acids and lyes/alkalis as well as most commercially available cleaning agents and disinfectants (except those containing iodine).
- Concentrated acids and lyes/alkalis destroy silicone rubber over time.
- Solvents and mineral oils cause cured silicone to swell. Consequently, proper functioning of the sealant should be checked after exposure to a solvent or mineral oil. Please contact your local sales representative or the nearest Hilti center if special requirements for chemical resistance have to be met.

Not for use
- In areas immersed in water
- Not to be painted

Storage
- Store only in the original packaging in a location protected from moisture at a temperature of 40°F to 77°F (5°C to 25°C)
- Observe expiration date on packaging



Hilti. Outperform. Outlast.

CP 604

Self-Leveling Firestop Sealant

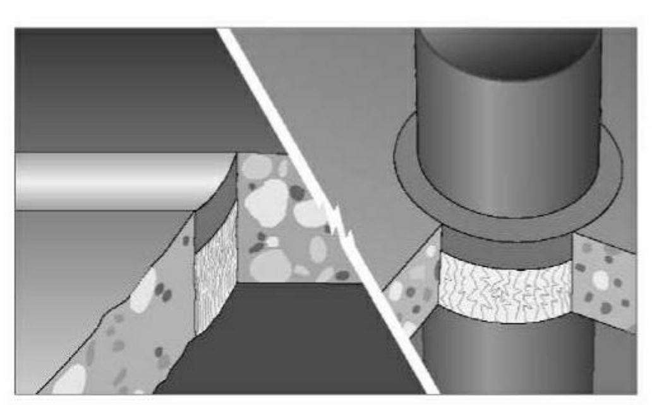
Product description
- Self-leveling, single-component, silicone-based firestop sealant for use with through-penetrations as well as construction joints in floors.

Product features
- Self-leveling–requires no tooling
- Excellent elongation/compression properties
- Resistant to smoke and water
- Meets 500 cycle requirements (ASTM E 1966 & UL 2079)
- Smoke, fumes and water resistant
- Meets Class I W-rating requirements
- Meets LEED™ requirements for indoor environmental quality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings

Areas of application
- Sealing construction/expansion joints
- Metal pipes
- Cable bundles
- Sealing multiple penetrations in small or large openings

For use with
- Concrete floors rated up to 3-hours

Examples
- Penetrations for metal pipes between floor levels
- Construction joints and expansion joints in floors



CP 604 Technical Data

Chemical basis	Neutral elastic silicone
Color	Gray
Application temperature	40°F to 104°F (5°C to 40°C)
Skin forming time	Approx. 15 min
Curing time	Approx. 2 mm/3 days
Joint movement capability	Approx. +20%
Temperature resistance	–40°F to 248°F (–40°C to 120°C)
Surface burning characteristics (ASTM E 84-00)	Flame Spread: 5; Smoke Development: 60
Approvals	
California State Fire Marshal	Listing No. 4485-1200:117; Listing No. 1452-1200:134
City of New York	MEA 237-02-M
Tested in accordance with	• UL 1479 • UL 2079 • ASTM E 2307 • ASTM E 1966 • ASTM E 814 • ASTM E 84

At 73°F (23°C) and 50% relative humidity

FILL, VOID OR CAVITY MATERIAL FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS, JOINT SYSTEMS AND PERIMETER FIRE CONTAINMENT SYSTEMS SEE UL FIRE RESISTANCE DIRECTORY 66Y7

FM APPROVED

rated

Installation instructions for CP 604

Notice
- Before handling, read Material Safety DataSheet and product label for safe usage and health information.
- Instructions below are general guidelines — always refer to the applicable drawing in the UL Fire Resistance Directory or Hilti Firestop Systems Guide for complete installation information

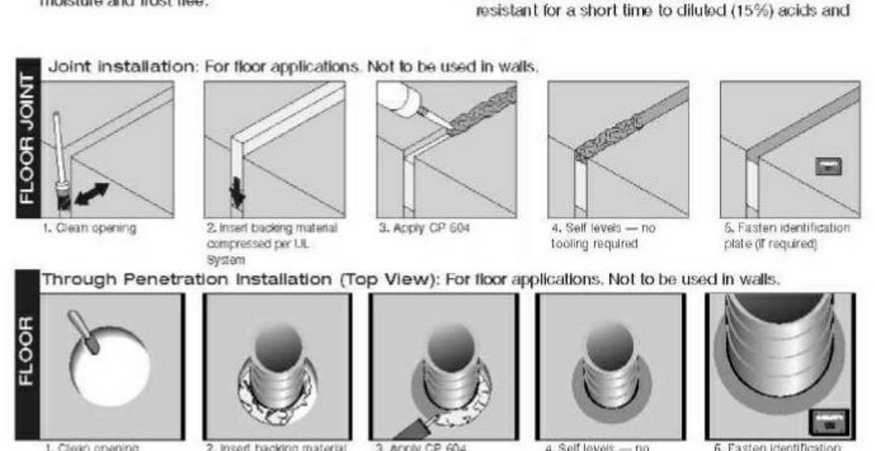
Opening
1. Clean the opening. Surfaces to which CP 604 will be applied should be cleaned of loose debris, dirt, oil, wax and grease. The surface should be moisture and frost free.

Application of firestop
2. Insert fill of mineral wool (or backer as required).
3. Apply firestop over backer.
4. Allow firestop sealant to level. Once cured, CP 604 can only be removed mechanically.
5. For maintenance reasons, a penetration seal could be permanently marked with an identification plate. In such a case, mark the identification plate and fasten it in a visible position next to the seal.

Chemical resistance
- At room temperature the cured silicone sealant is resistant for a short time to diluted (15%) acids and lyes/alkalis as well as commercially available cleaning agents and disinfectants (except those containing iodine).
- Concentrated acids and lyes/alkalis destroy silicone rubber over time.
- Solvents and mineral oils cause cured silicone to swell. Consequently, proper functioning of the sealant should be checked after exposure to a solvent or mineral oil. Please contact your local sales representative or the nearest Hilti Center if special requirements for chemical resistance have to be met.

Not for use
- In areas immersed in water
- Not to be painted

Storage
- Store only in the original packaging in a location protected from moisture at a temperature of 40°F (5°C) to 77°F (25°C)
- Observe expiration date on packaging



Hilti Firestop Saving Lives through innovation and education

Hilti. Outperform. Outlast.

CP 618

Firestop Putty Stick

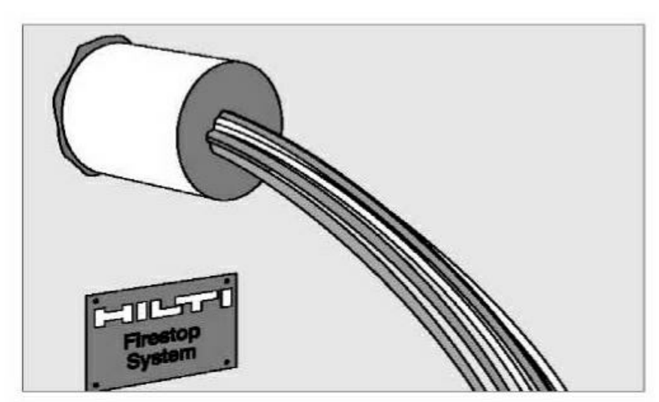
Product description
- An intumescent, non-hardening, firestop putty for cable and pipe penetrations

Product features
- Contains no volatile solvents or asbestos
- Easy to re-penetrate

Areas of application
- Single or bundled cables
- Non-combustible pipe
- Blank openings
- Reusable
- Easy to add or subtract cables
- Fast installation

For use with
- Concrete, masonry and gypsum wall assemblies
- Wall and floor assemblies rated up to 3 hours

Examples
- Where telecommunication and data lines penetrate gypsum wall assemblies
- Where steel conduit and EMT penetrate concrete and block wall assemblies
- Where blank openings exist in concrete and block wall assemblies



CP 618 Technical Data

Dimensions	18 in³
Consistency	Moldable putty
Color	Red
Application temperature	40°F to 95°F (5°C to 35°C)
Cure	Non-curing
Density	Approx. 1.48 g/cm³
Intumescent activation	Approx. 220°F to 250°F (104°C to 121°C)
Surface burning characteristics (ASTM E84-96)	Flame Spread: 5; Smoke development: 5
Sound transmission classification (ASTM E 90-97)	49 (Relates to specific construction)
Approvals	
California State Fire Marshal	Listing No. 4485-1200:111
City of New York	MEA-98-99-M
Tested in accordance with	• UL 1479 • ASTM E 814 • ASTM E 84

At 73°F (23°C) and 50% relative humidity

FILL, VOID OR CAVITY MATERIAL FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS SEE UL FIRE RESISTANCE DIRECTORY 66Y7

FM APPROVED

Installation instructions for CP 618

Notice
- Before handling, read Material Safety DataSheet and product label for safe usage and health information.
- Instructions below are general guidelines — always refer to the applicable drawing in the UL Fire Resistance Directory or Hilti Firestop Systems Guide for complete installation information

Opening
1. Clean the opening: Surfaces to which CP 618 will be applied should be cleaned of loose debris, dirt, oil, moisture, frost and wax.

Application of firestop putty
2. Install the prescribed backing material, if required.
3. Install CP 618 Firestop Putty to the required depth, making sure that the putty contacts all surfaces to provide the greatest adhesion.
4. Smooth CP 618 putty.
5. For maintenance reasons, a penetration seal can be permanently marked with an identification plate and fastened in a visible position next to the seal.
6. Re-installation (not shown): Remove and re-install CP 618 Firestop Putty as needed.

Not for use
- In areas exposed to water

Storage
- Store only in the original packaging at temperatures 40°F to 104°F (5°C to 40°C)

Hilti Firestop Saving Lives through innovation and education

Hilti. Outperform. Outlast.

CP 617, CP 617L & CP 617XL

Firestop Putty Pad

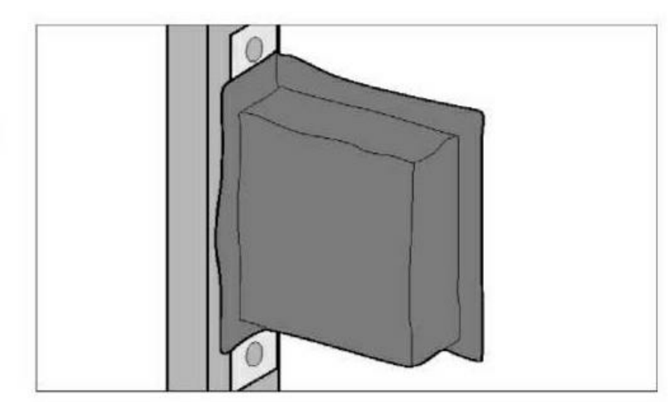
Product description
- A moldable firestop putty designed to help protect electrical outlet boxes

Product features
- Applied by hand
- Fast installation

Areas of application
- Protection of electrical outlet boxes

For use with
- Gypsum wall assemblies with wood or metal studs

Examples
- Where two outlets are within a single stud/cavity or within 24" (not back to back)



CP 617 Technical Data

Dimensions	CP 617: 6" x 7" x 1/8"(15 x 18 x 0.3 cm); CP 617L: 7" x 7" x 1/8" (18 x 18 x 0.3 cm); CP 617XL: 9" x 9" x 1/8" (23 x 23 x 0.3 cm)
Consistency	Moldable putty
Color	Red
Application temperature	40°F (5°C) to 95°F (35°C)
Storage temperature	40°F (5°C) to 104°F (40°C)
Cure	Non-curing
Density	1.48 g/cm³
Intumescent activation	Approx. 220°F to 250°F (104°C to 121°C)
Volatile solvents	None
Asbestos fibers	None
Surface burning characteristics (ASTM E 84-96)	Flame Spread: 5; Smoke development: 5
Sound transmission classification (ASTM E 90-97)	55 (Relates to specific construction)
Approvals	
California State Fire Marshal	Listing No. 4485-1200:129
City of New York	MEA-102-99-M
Tested in accordance with	• UL 263 • ASTM E 84

At 73°F (23°C) and 50% relative humidity

WALL OPENING PROTECTIVE MATERIAL FIRE RESISTANCE CLASSIFICATION SEE PRODUCT CATEGORY IN UL FIRE RESISTANCE DIRECTORY 66Y7

FM APPROVED

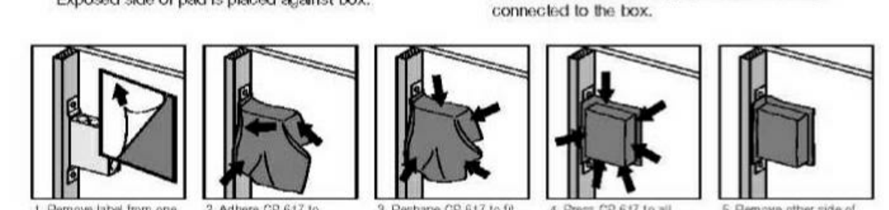
Installation instructions for CP 617

Notice
- Before handling, read Material Safety DataSheet and product label for safe usage and health information.
- Instructions below are general guidelines — always refer to the applicable drawing in the UL Fire Resistance Directory or Hilti Firestop Systems Guide for complete installation information

Application of firestop putty
1. Remove label from one side of pad. For a 1 to 2 hour fire rating, one CP 617 pad is required. Exposed side of pad is placed against box.
2. Adhere pad to side of the box, overlapping the stud and all edges of the box. When drywall is installed: fix pad into gap between electrical box and gypsum board slightly overlapping the inner wall board surface. When drywall will be installed later: overlap front edge of electrical box so that CP 617 will be compressed around edges of box as gypsum board is installed.
3. Reshape CP 617 to fit around conduit or cables.
4. Press CP 617 to all sides of electrical box. Trim excess at corners and apply to conduit fittings connected to the box.
5. Remove other side of label. To help prevent passage of cold smoke, CP 617 may optionally be placed into inside of electrical conduit fittings.

Not for use
- In areas exposed to water

Storage
- Store only in the original packaging in a location at temperatures 40°F (5°C) to 104°F (40°C)



Hilti Firestop Saving Lives through innovation and education

Hilti. Outperform. Outlast.

FS-ONE

High Performance Intumescent Firestop Sealant

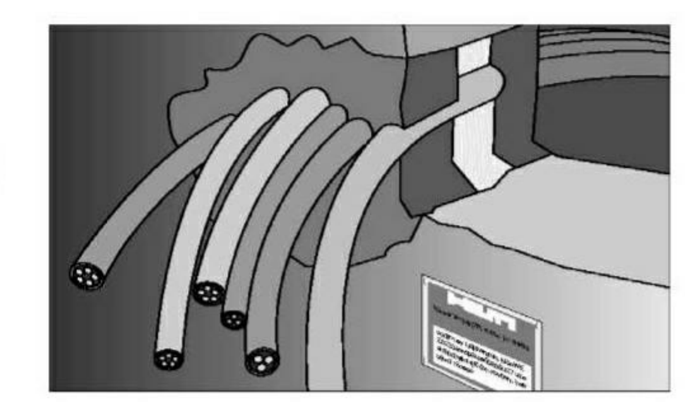
Product description
- Intumescent (expands when exposed to fire) firestop sealant that helps protect combustible and non-combustible penetrations for up to 4 hours fire rating

Product features
- Smoke, gas and water resistant after material has cured
- Contains no halogen, solvents or asbestos
- High fire rating properties
- Water based, easy to clean
- Protects most typical firestop penetration applications
- Can be painted
- Single component systems available
- Meets LEED™ requirements for indoor environmental quality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings

Areas of application
- Steel, copper and EMT pipes
- Insulated steel and copper pipes
- Cable bundles
- Closed or vented plastic pipes
- HVAC penetrations

For use with
- Concrete, masonry, drywall and wood floor assemblies
- Wall and floor assemblies rated up to 4 hours

Examples
- Sealing around plastic pipe penetrations in fire rated construction
- Sealing around combustible and non-combustible penetrations in fire rated construction



FS-ONE Technical Data

Chemical basis	Water-based intumescent acrylic dispersion
Color	Red
Application temperature	40°F to 104°F (5°C to 40°C)
Skin forming time	Approx. 20-30 min.
Curing time	Approx. 2 mm / 3 days
Movement capability	Approx. 5%
Expansion rate (unrestricted):	Up to 3-5 times original volume
Temperature resistance (cured)	–40°F to 212°F (–40°C to 100°C)
Surface burning characteristics (ASTM E 84-96)	Flame Spread: 0; Smoke Development: 5
Sound transmission classification (ASTM E 90-99)	56 (Relates to specific construction)
Approvals	
California State Fire Marshal	Listing No. 4485-1200:108
City of New York	MEA 326-96-M Vol. IV
Tested in accordance with	• UL 1479 • ASTM E 814 • ASTM E 84

At 73°F (23°C) and 50% relative humidity

FILL, VOID OR CAVITY MATERIAL FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS SEE UL FIRE RESISTANCE DIRECTORY 66Y7

FM APPROVED

SYSTEM COMPATIBLE

Installation instructions for FS-ONE

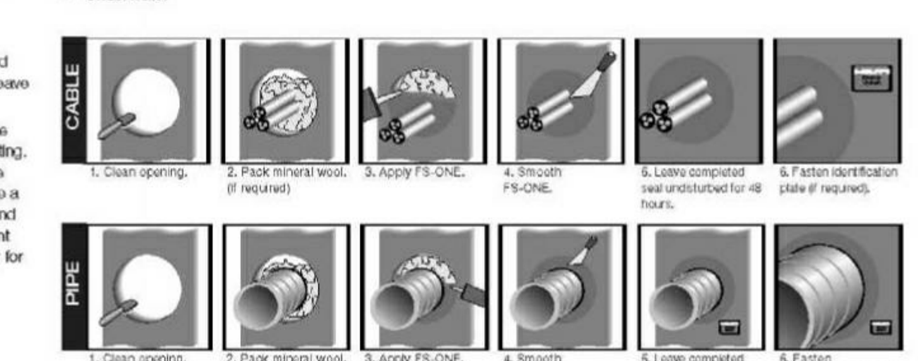
Notice
- Before handling, read Material Safety DataSheet and product label for safe usage and health information.
- Instructions below are general guidelines — always refer to the applicable drawing in the UL Fire Resistance Directory or Hilti Firestop Systems Guide for complete installation information

Opening
1. Clean the opening. Surfaces to which FS-ONE will be applied should be cleaned of loose debris, dirt, oil, moisture, frost and wax. Structures supporting penetrating items must be installed in compliance with local building and electrical standards.

Application of firestop sealant
2. Install the prescribed backfilling material type and depth to obtain the desired rating (if required). Leave sufficient depth for applying FS-ONE.
3. Application of firestop sealant: Apply FS-ONE to the required depth in order to obtain the desired fire rating. Make sure FS-ONE contacts all surfaces to provide maximum adhesion. For application of FS-ONE use a standard caulking gun, foil pack gun, bulk loader and bulk gun. With FS-ONE buckets, Graco type sealant pumps may be used. (Contact pump manufacturer for proper selection).
4. Smoothing of firestop sealant: To complete the seal, tool immediately to give a smooth appearance. Excess sealant, prior to curing, can be cleaned away from adjacent surfaces and tools with water.
5. Leave completed seal undisturbed for 48 hours.
6. For maintenance reasons, a penetration seal could be permanently marked with an identification plate. In such a case, mark the identification plate and fasten it in a visible position next to the seal.

Not for use
- High movement expansion joints
- Underwater
- On materials where oil, plasticizers or solvents may bleed i.e. impregnated wood, oil based seals, green or partially vulcanized rubber
- In any penetration other than those specifically described in this manual or the test reports

Storage
- Store only in the original packaging in a location protected from moisture at temperatures between 40°F (5°C) and 86°F (30°C)
- Observe expiration date on the packaging



Hilti. Outperform. Outlast.

7227 REGISTERED ARCHITECT DALE SWEENEY STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO: SHRLN-001
DATE: 6/26/2017
DWN BY: Author
CHKD BY: Checker
RVSD:

REVISIONS

NO.	DATE	Revision Description

TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

FIRESTOP DETAILS 2

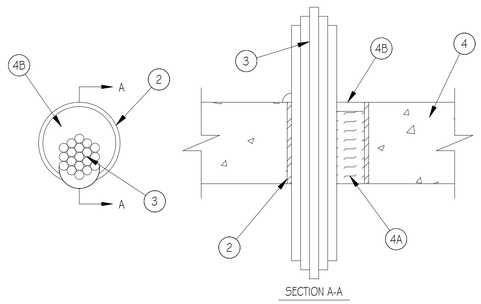
PRINT DATE: 2/15/2021 12:47:53 PM

SHEET NO. **A906**

CAJ 3181

System No. C-AJ-3181

F Rating - 3 Hr
T Rating - 0 Hr



SECTION A-A

1. Floor or Wall Assembly -- Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 4 in.
See Concrete Blocks (CAZT) in the Fire Resistance Directory for names of manufacturers.
2. Steel Sleeve -- (Optional) - Nom 4 in. diam (or smaller) Schedule 40 (or heavier) steel sleeve, cast or grouted into floor or wall assembly, flush with both surfaces of floor or wall assembly.
3. Cables -- Aggregate cross-sectional area of cables in sleeve or opening to be min 25% to max 60% of the cross-sectional area inside the sleeve or opening. The annular space between cables and penphery of opening shall be min of 0 in. (point contact) to max 1-7/8 in. Cables to be rigidly supported on both sides of floor or wall assembly. Any combination of the following types and sizes of cable may be used:
A. Max 300 pair No. 24 AWG copper conductor telephone cables with polyvinyl chlonde (PVC) insulation and jacket.
B. Max 500 kcmil cable with polyvinyl chlonde (PVC) insulation and jacket.
C. Max 7/C No. 12 AWG copper conductor power cable with polyvinyl chlonde (PVC) insulation and jacket.
D. Max 24 fibers 1/2 in. diam fiber optic cable.
E. Max 3/C No. 12 AWG metal-clad cable.
F. Max 3/C with ground 2/0 AWG copper conductor SER cable with cross-linked polyethylene (XLPE) insulation and polyvnyl chlonde (PVC) jacket.
G. RG/U coaxal cable with polyethylene (PE) insulation and polyvnyl chlonde (PVC) jacket having a max outside diameter of 1/2 in.
4. Firestop System -- The details of the firestop system shall be as follows:
A. Packing Material -- Min. 4 in. thickness of min 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
B. Fill, Void or Cavity Materials*-Caulk -- Min 1/2 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. At the point contact location between penetrant and sleeve or concrete, a min 1/2 in. diam bead of fill material applied at the sleeve/cables or concrete/cables interface on the top surface of floor or both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- CP 606 Flexible Firestop Sealant
*Bearing the UL Classification Mark

HILTI FIRESTOP SYSTEMS

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 28, 2003

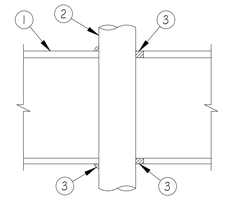
CLASSIFIED C UL US

Page: 1 of 2

FC 1106

System No. F-C-1106

F Rating -- 1 Hr
T Rating -- 1/4 Hr



1. Floor-Ceiling Assembly — The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction features of the floor-ceiling assembly are summarized below:
A. Flooring System — Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design. Max diam of opening shall be 5 in. (127 mm).
B. Wood Joists* — Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required and with ends firststopped.
C. Gypsum Board* — Min 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design. Gypsum board secured to wood joists or furring channels as specified in the individual Floor-Ceiling Design. Max diam of opening shall be 5 in. (127 mm).

1A. Chase Wall — (Optional, Not Shown) — The through penetrants (Item 2) may be routed through a 1 hr fire rated single, double or staggered wood stud/gypsum board chase wall. Depth of chase wall stud cavity to be min 1/2 in. greater than diameter of opening cut in sole and top plates to accommodate the through penetrant (Item 2). The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs — Nom 2 by 4 in. (51 by 102 mm), 2 by 6 in. (51 by 152 mm), 2 by 8 in. (51 by 203 mm) or double nom 2 by 4 in. (51 by 102 mm) lumber studs.
B. Sole Plate — Nom 2 by 4 in. (51 by 102 mm), 2 by 6 in. (51 by 152 mm) or 2 by 8 in. (51 by 203 mm) lumber plates or double nom 2 by 4 in. (51 by 102 mm) lumber plates tightly butted together. Circular opening to be centered in sole plate. Sole plate to be min 1 in. (25mm) wider than diam of openmg. Max diam of opening in sole plate is 5 in. (140 mm).
C. Top Plate — The double top plate shall consist of two nom 2 by 4 in. (51 by 102 mm), 2 by 6 in. (51 by 152 mm) or 2 by 8 in. (51 by 203 mm) lumber plates or double nom 2 by 4 in. (51 by 102 mm) lumber plates tightly butted together. Circular opening to be centered in top plate. Top plate to be min 1 in. (25mm) wider than diam of openmg. Max diam of opening in top plate is 5-1/2 in. (140 mm).
D. Gypsum Board* — Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.

2. Through Penetrants — One metallic pipe, conduit or tubing, to be installed concentrically or eccentrically within the opening. The diam of the opening shall be 1 in. larger than the nom diam of the penetrant. The annular space between the pipe, conduit or tubing and the penphery of opening shall be min 0 in. (point contact) to max 7/8 in. . (22 mm). Pipe, conduit or to be rigidly supported on both sides of floor-ceiling assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
A. Copper Tube — Nom 4 in. (102 mm) diam (or smaller) Type L (or heaver) copper tube.
B. Copper Pipe — Nom 4 in. (102 mm) diam (or smaller) Regular (or heaver) copper pipe.
C. Steel Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heaver) steel pipe.
D. Iron Pipe — Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe.
E. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or steel conduit.

3. Fill, Void or Cavity Materials*-Sealant — Min 3/4 in. (19 mm) thickness of sealant applied within the annulus flush with the top surface of the floor or sole plate and min 5/8 in. (16 mm) thickness of sealant applied within the annulus flush with the bottom surface of gypsum board or lower top plate. A min 1/2 in. (13 mm) diameter bead of sealant applied at the penetrant/subfloorng or sole plate interface and the penetrant/gypsum board or top plate interface at point contact locations.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 606 Flexible Firestop Sealant, FS-One Sealant.
*Bearing the UL Classification Mark

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. October 09, 2006

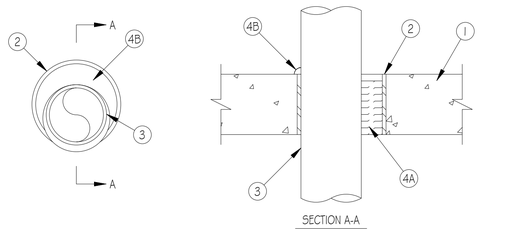
CLASSIFIED C UL US

Page: 1 of 2

CAJ 1453

System No. C-AJ-1453

F Rating -- 2 Hr
T Rating -- 1/4 Hr
L Rating At Ambient -- Less Than 1 CFM/sq ft
L Rating At 400 F -- 4 CFM/sq ft



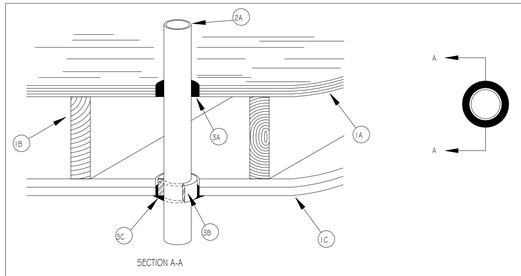
SECTION A-A

1. Floor or Wall Assembly -- Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 31-7/8 in.
See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Metallic Sleeve -- (Optional) Nom 32 in. diam (or smaller) Schedule 40 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
3. Through Penetrants -- One metallic pipe, conduit or tubing to be installed concentrically or eccentrically within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor assembly. The annular space between pipe conduit or tubing and the periphery of the opening shall be min 0 in. (point contact) to max 1-7/8 in. The following types of pipe, conduit or tubing may be used:
A. Steel Pipe -- Nom 30 in. diam (or smaller) Schedule 10 (or heaver) steel pipe.
B. Iron Pipe -- Nom 30 in, diam (or smaller) cast or ductile iron pipe.
C. Conduit -- Nom 6 in. diam (or smaller) rigid steel conduit.
D. Conduit -- Nom 4 in. diam (or smaller) steel electrical metallic conduit.
E. Copper Tubing -- Nom 6 in. diam (or smaller) Type L (or heaver) copper tubing.
F. Copper Pipe -- Nom 6 in. diam (or smaller) Regular (or heaver) copper pipe.
4. Firestop System -- The firestop system shall consist of the following:
A. Packing Material -- Min 4 in. thickness of min 4 pcf mineral wool batt insulation firmly packed into the opening as a permanent form. Packing material to be recessed from the top surface of the floor to accommodate the required thickness of fill material.
B. Fill, Void or Cavity Materials* Sealant -- Min 1/2 in. thickness of fill material applied within the annulus, flush with top surface of floor. At point contact, a min 1/4 in. diameter bead of fill material shall be applied at the pipe/sleeve interface on the top surface of the floor or both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- CP 606 Flexible Firestop Sealant
*Bearing the UL Classification Mark

HILTI FIRESTOP SYSTEMS

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. October 26, 2002

CLASSIFIED C UL US



SECTION A-A

1. Floor-ceiling assembly - UL L500 Series Design
1A. Min. 3/4 in. lumber or plywood subfloor with a max. 3 in. diameter penetrant opening.
1B. Nominal 2x10 in. lumber joists or trusses (wood or steel).
1C. One layer of gypsum wallboard carpable of provding a 1 hr. rating or two layers of gypsum wallboard carpable of providing a 2 hr. rating.

2. Penetrant
2A. Max. 2 in. rigid nonmetallic conduit, ABS, PVC, or CPVC piping as an open (vented) or closed system.

Annular space - 5/8 in. nominal at ceiling and floor surface.

3. Firestopping - FlameSafe FS 1900 Series Sealant.
FlameSafe FSWS 100 Wrap Strip.
3A. At floor surface, apply FS 1900 3/4 in. deep into annular space and add a 3/8 in. crown.
3B. At ceiling surface wrap one layer of FSWS 100 around penetrant secured with masking tape and into annulus protruding 1/4 in. below ceiling surface.
3C. At ceiling surface, apply FS 1900 sealant 5/8 in. deep into annular space and add a 3/8 in. crown.

Notes

1. This system drawing is provided to aid in the installation and selection of the UL listed design. The user shall refer back to the UL listed design for complete information required for submittal and approval purposes.
2. System design evaluated to the UL 1479 (ASTM E814) Fire Tests of Through-Penetration Firestops.
3. Please refer to the UL Fire Resistance Directory for components requiring UL classification.

GRACE Construction Products

Firestop Assembly		Project:	
Product:	FlameSafe FSWS 100 Wrap Strip FlameSafe FS 1900 Series Sealant	Installer:	
F Rating:	1 & 2 HOUR	Approval:	
UL System:	FC2084	Date:	
Grace Dwg #	FC2084	Rev.#	000

2-206

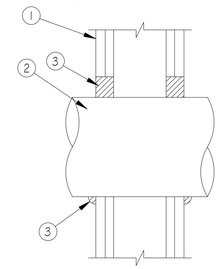
W.R. Grace & Co. - Conn
62 Whittemore Ave
Cambridge, MA 02140
Phone: 800-334-8796
Fax: 617-498-4419
E-mail: info@flamesafe.com

The information here is based on testing performed by nationally recognized testing laboratories, but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our Conditions of Sale which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright.

VL 1297

System No. W-L-1297

F Ratings -- 1 and 2 Hr (See Item 1)
T Rating -- 0 Hr
L Rating at Ambient -- Less than 1 CFM/Sq Ft
L Rating at 400° F -- Less than 1 CFM/Sq Ft



1. Wall Assembly -- The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs -- Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.
B. Gypsum Board* -- Nom 5/8 in. (16 mm) thick, 4 ft (1.22 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the Fire Resistance Directory. Max diam of opening is 32 in. (813 mm).
The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through Penetrant -- One metallic pipe, conduit or tubing installed concentrically or eccentrically within the firestop system. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. Pipe, conduit or tube to be rigidly supported on both sides of wall assembly. The annular space between the pipe, conduit or tube and periphery of the opening shall be min 0 in (0 mm, point contact) to max 2 in. (51 mm) in 2 hr fire rated walls and min 0 in (0 mm, point contact) to max 1 in. (25 mm) in 1 hr fire rated walls. The following types and sizes of metallic pipes, conduit or tube may be used:
A. Steel Pipe -- Nom 30 in. (762 mm) diam (or smaller) Schedule 40 (or heaver) steel pipe.
B. Iron Pipe -- Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
C. Conduit -- Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or 6 in. diam steel conduit.
D. Copper Tube -- Nom 6 in. (152 mm) diam (or smaller) Type L (or heaver) copper tube.
E. Copper Pipe -- Nom 6 in. (152 mm) diam (or smaller) Regular (or heaver) copper pipe.
3. Fill, Void or Cavity Material*-Sealant -- Min 5/8 in. (16 mm) or 1-1/4 in. (32 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall, for 1 hr and 2 hr fire rated wall assemblies, respectively. A min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe/wall interface at the point contact location.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- CP606 Flexible Firestop Sealant
*Bearing the UL Classification Mark

HILTI FIRESTOP SYSTEMS

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. June 03, 2005

CLASSIFIED C UL US

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

REGISTERED ARCHITECT 7227 DALE SWEENEY STATE OF WASHINGTON

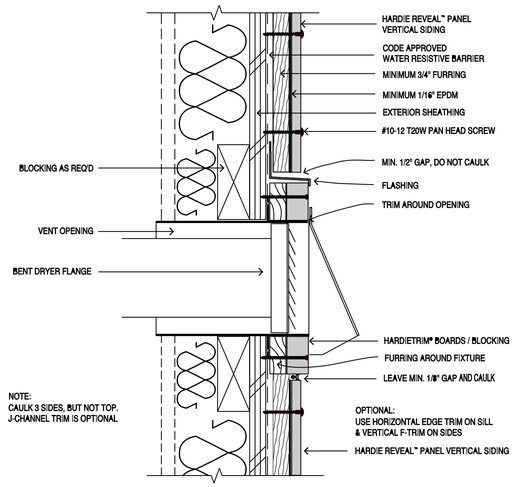
REVISIONS
NO. DATE Revision Description

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/VSD:

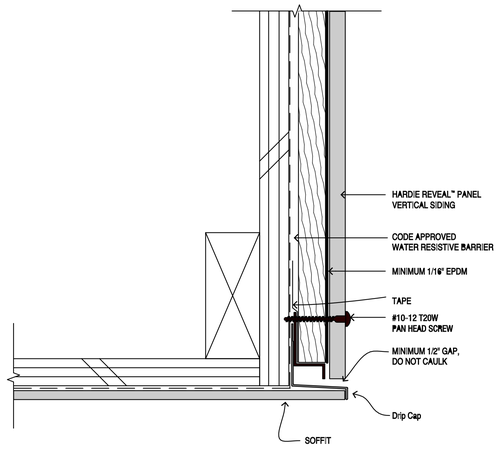
TP HOME 22 UNIT APTS. 2152
SEALANT SYSTEM DETAILS
TP Home LLC
2152 N 185TH ST.

PRINT DATE:
2/15/2021 12:47:55 PM

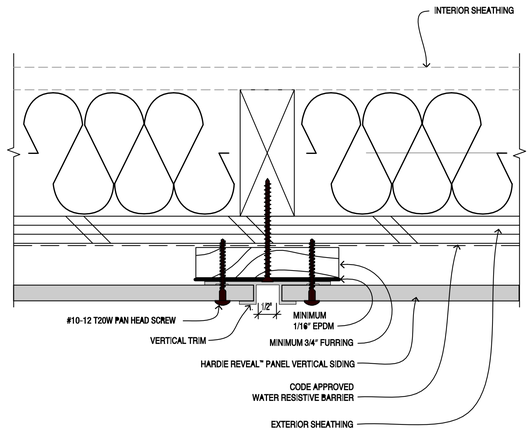
SHEET NO.
A910



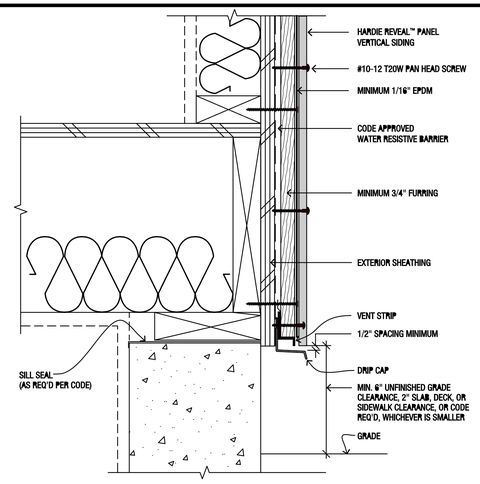
16 HARDIE PANEL OVER VENT



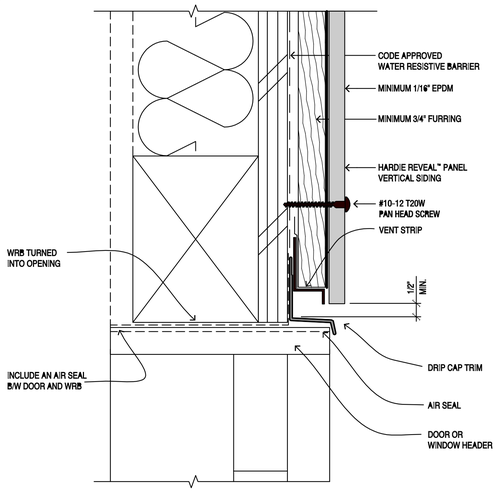
9 HARDIE PANEL OVER SOFFIT



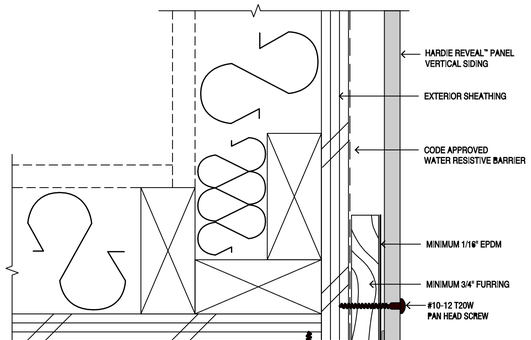
4 VERTICAL REVEAL DETAIL



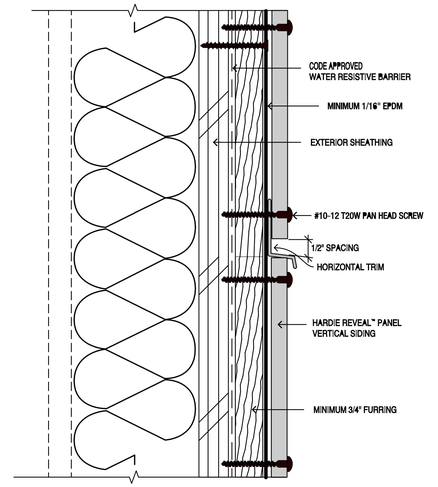
1 HARDIE PANEL AT GRADE



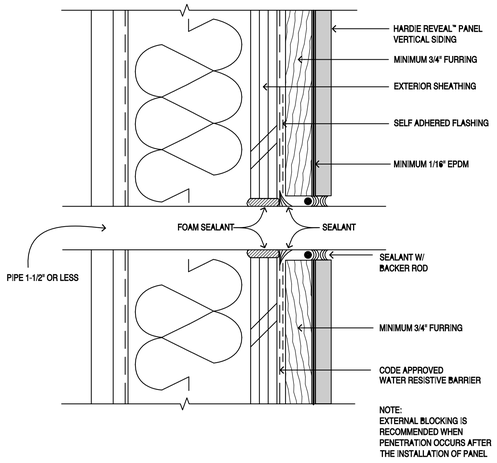
10 HARDIE PANEL OVER DOOR



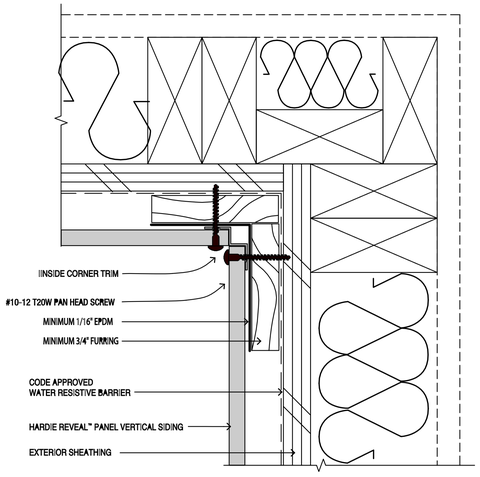
5 OUTSIDE CORNER REVEAL DETAIL



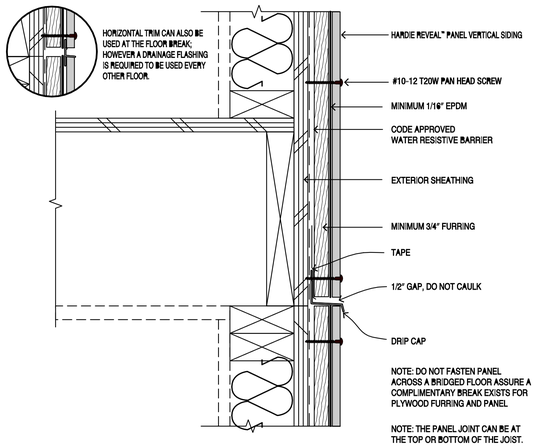
2 HARDIE PANEL DETAIL 1



15 HARDIE PANEL WITH PIPE



6 INSIDE CORNER REVEAL DETAIL



3 HARDIE PANEL DETAIL 2

REGISTERED ARCHITECT
7227
DALE SWEENEY
STATE OF WASHINGTON

Dale Sweeney
ARCHITECT
5715 143rd Place SE
Bellevue, WA 98006

JOB NO.: SHRLN-001
DATE: 6/26/2017
DWN. BY: Author
CHKD BY: Checker
R/(S): /

REVISIONS
NO. DATE Revision Description

TP HOME 22 UNIT APTS. 2152
TP Home LLC
2152 N 185TH ST.

HARDIE WALL DETAILS

PRINT DATE:
2/15/2021 12:47:57 PM

SHEET NO.
A911