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CONTAC PERSON: NICK SAARI

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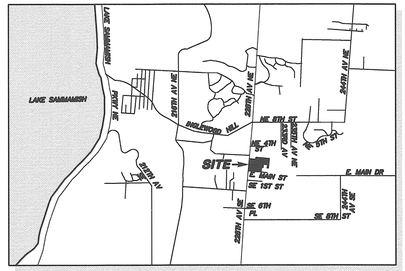

VICINITY MAP
NOT TO SCALE

STREET ADDRESS: 120 228th AVENUE NE ,
SAMMAMISH, WA 98074

PARCEL NUMBER: 3425069017

LEGAL DESCRIPTION:
LOT 1 OF SHORT PLAT NO. 577023 AS RECORDED UNDER RECORDING NO. 7709080921 EXCEPT THE WEST 20 FEET THEREOF, SITUATE IN KING COUNTY, WASHINGTON

PROJECT DESCRIPTION:
CONSTRUCTION OF A 30,762 SF CHURCH FACILITY WITH A MULTI-PURPOSE BUILDING, ADMINISTRATON OFFICES, SUNDAY SCHOOL CLASSROOMS, WITH PARKING FOR 330 CARS.

SITE DESCRIPTION:
A 22.4 ACRE SITE THAT IS RELATIVELY LEVEL AND IS BOUNDED BY 228TH AVENUE NE ON THE WEST AND EAST MAIN STREET ON THE SOUTH. THE SITE HAS CLASS 1 AND CLASS 11 WETLANDS ON THE NORTH, EAST, AND SOUTH SIDES OF THE PORTION BEING DEVELOPED.

DEFERRED SUBMITTALS:
PRE-FABRICATED WOOD TRUSSES

QUALITY ASSURANCE

SPECIAL INSPECTION

DESIGN OF SUSPENDED CEILING SYSTEM:
SUSPENDED CEILING MUST MEET THE DESIGN REQUIREMENTS OF SECTION 9.6 OF ASCE 7-02 (EXCEPT AS MODIFIED IN IBC 1621). THE FOLLOWING NON-STRUCTURAL BUILDING COMPONENTS REQUIRE SEISMIC DESIGN AND QUALITY ASSURANCE IN ACCORDANCE WITH TABLE 9.6.1.7 OF ASCE 7-02:)

	COMPONENT DESCRIPTION	
COMPONENT DESCRIPTION	QUALITY ASSURANCE/ SPECIAL INSPECTION	DESIGN
SUSPENDED CEILING SYSTEMS, INCLUDING ANCHORAGE	A.9.3.3.9 NO.2	ASCE 9.6.2.6

Geotechnical Special Inspection(s) are required.

SPECIAL INSPECTION IS REQUIRED
SEE THE ATTACHED LIST OF PERMIT CONDITIONS

SPECIAL INSPECTIONS THAT MAY BE REQUIRED:
GEOTECHNICAL
REFERENCING SPECIAL INSPECTIONS PER PLAN SHEET S0.01

OTHER REQUIRED PERMITS:
CITY OF SAMMAMISH MECHANICAL PERMIT
CITY OF SAMMAMISH PLUMBING PERMIT
CITY OF SAMMAMISH FIRE ALARM PERMIT
CITY OF SAMMAMISH FIRE SPRINKLER PERMIT
CITY OF SAMMAMISH ELECTRICAL PERMIT
DEPARTMENT OF LABOR AND INDUSTRY ELECTRICAL PERMIT
DEPARTMENT OF LABOR AND INDUSTRY LOW VOLTAGE PERMIT
DEPARTMENT OF LABOR AND INDUSTRY ELEVATOR PERMIT
SAMMAMISH PLATEAU WATER AND SEWER DISTRICT PERMIT-ALREADY ISSUED.

HEATING:
ELECTRIC RESISTANCE HEAT NOT ALLOWED.

SHEET INDEX - PHASE ONE CONSTRUCTION

ARCHITECTURAL DRAWINGS:
IT-1.1 SHEET INDEX, PROJECT DATA, CODE, OCCUPANCY, CONSTRUCTION TYPE, LEGAL, PROJECT TEAM & VICINITY MAP

CS-1 SITE PLAN
CS-2 CODE SUMMARY
CS-3 CODE SUMMARY
CS-4 DOOR AND WINDOW SCHEDULES
CS-5 HARDWARE SCHEDULE - ACCESIBLE, TACTILE SIGNAGE AND AREA OF REFUGE REQUIREMENTS

1A-1.1 ARCHITECTURAL SITE PLAN

1A-2.1.1 FIRST FLOOR PLAN
1A-2.1.2 SECOND FLOOR PLAN
1A-2.3 ROOF PLAN

1A-3.1 MULTI PURPOSE & ADMINISTRATION BUILDING SECTIONS
1A-3.2 WALL DETAILS
1A-3.3 WALL DETAILS

1A-4.1 EXTERIOR ELEVATIONS

1A-5.1 GALLERY ELEVATIONS AND DETAILS
1A-5.3 REST ROOMS FLOOR PLANS & INTERIOR ELEVATIONS
1A-5.4 VERTICAL CIRCULATION - STAIR & ELEVATOR PLANS, SECTIONS AND DETAILS

STRUCTURAL DRAWINGS:
S0.01 GENERAL NOTES & ABBREVIATIONS
S0.02 TYPICAL FOUNDATION DETAILS

S2.11 FOUNDATION PLAN
S2.12 SECOND FLOOR FRAMING PLAN
S2.13 ROOF FRAMING PLAN
S2.52 INTERIOR TOWER PLANS AND DETAILS

S3.11 MULTI-PURPOSE BUILDING TILT-UP PANEL DETAILS
S3.12 MISC. TILT-UP PANEL DETAILS
S3.21 ADMINISTRATIVE BUILDING TILT-UP PANEL DETAILS
S3.51 INTERIOR TOWER TILT-UP PANEL DETAILS

S4.01 TYPICAL TILT-UP PANEL FOUNDATIONS DETAILS
S4.02 FOUNDATION DETAILS

S5.01 ROOF DETAILS
S5.02 SECOND FLOOR DETAILS
S5.04 MISC. FRAMING DETAILS
S5.05 MISC. FRAMING DETAILS

S6.01 ROOF FRAMING DETAILS
S6.02 ROOF FRAMING DETAILS
S6.04 MISC. FRAMING DETAILS
S6.05 MISC. FRAMING DETAILS

ELECTRICAL DRAWINGS:
E0.2 LIGHTING FIXTURE SCHEDULE
E1.2 FIRST FLOOR LIGHTING PLAN
E2.2 SECOND FLOOR LIGHTING PLAN

Approved Addresses shall be provided for all New & Existing buildings in such a position as to be plainly visible and legible from the street or road fronting the property. Numbers shall be a minimum of 4 (four) inches high and contrast to the surface on which they are being attached. Larger numbers may be necessary to assure visibility.

ANY DEVIATION IN CONSTRUCTION FROM APPROVED PLANS REQUIRES PRIOR REVIEW AND APPROVAL FROM THE CITY OF SAMMAMISH

THE OWNER IS RESPONSIBLE FOR ALL ERRORS OR OMISSIONS. THE CITY OF SAMMAMISH ASSUMES NO LIABILITY FOR ERRORS OR OMISSIONS. 16.20 SMC
APPROVED TO CONSTRUCT
PER 19.27 RCW, 16.05 SMC AND 16.20 SMC
SUBJECT TO FIELD INSPECTION AND CORRECTION
BY: _____ DATE: 3-19-07
CITY OF SAMMAMISH - BUILDING DEPT.

INSPECTOR SHALL MAKE ANY FIELD MODIFICATIONS DEEMED NECESSARY IN ORDER OT MEET MINIMUM BUILDING CODE REQUIREMENTS.

See site plan that has been approved, dated, and signed by a City Planner.

RECEIVED
MAR 06 2007
CITY OF SAMMAMISH

FILE COPY

CORRECTIONS

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STATE OF WASHINGTON
JAMES E. EASTERS
19779
REGISTERED ARCHITECT
DATE: 7/17/2006

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206-909-1933

ISSUE DATE: 7/17/2006
REVISIONS: 1 REVISION 12/13/06; 2 REVISION 2/19/07
SHEET INDEX

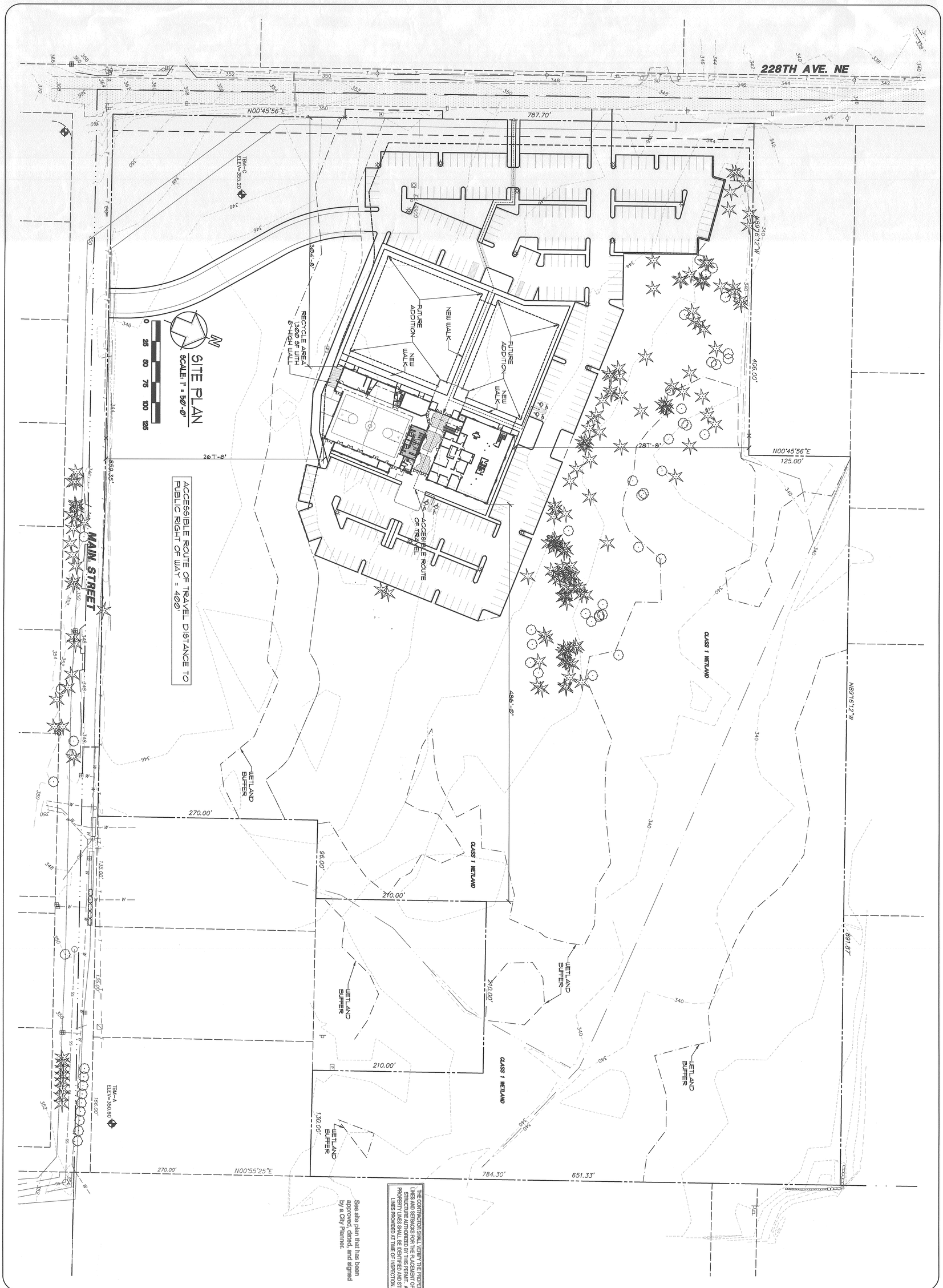
APPROVED TO CONSTRUCT PER CODES AS REQUIRED BY RCW 19.27 SUBJECT TO FIELD INSPECTION AND CORRECTION
MAR 19 2007
CITY OF SAMMAMISH

JOB NO: 03101

BLD-00703

EVERGREEN CHRISTIAN FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

T-1.1



CS-1

EVERGREEN CHRISTIAN FELLOWSHIP

120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

JOB NO: 03101

ISSUE DATE: 7/17/2006
REVISIONS: 1 REVISION 12/13/06
2 REVISION 2/28/07
SITE PLAN

JAMES ELLIOTT BRYANT
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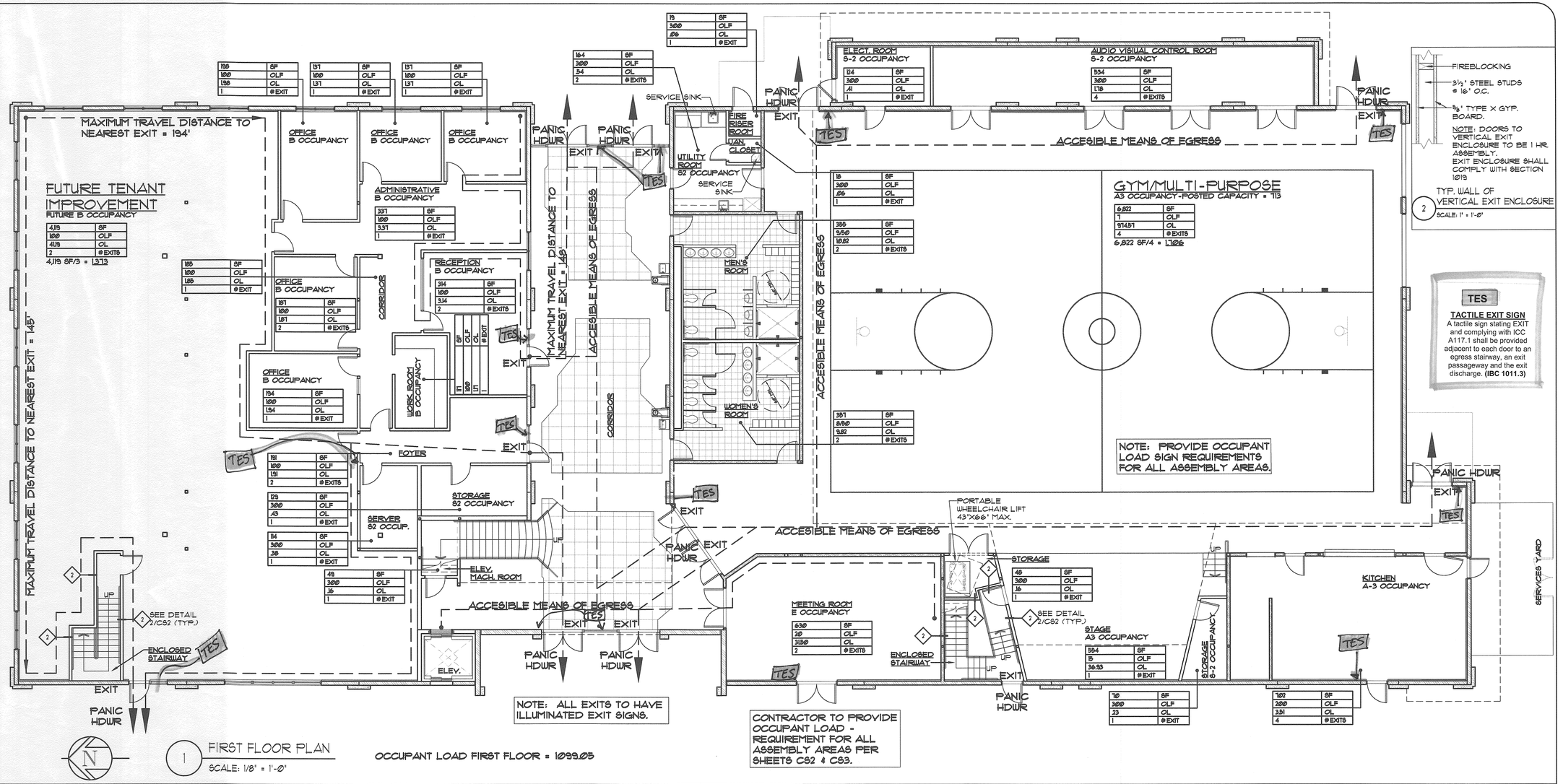
1719 REGISTERED ARCHITECT
CARL E. EASTERS
STATE OF WASHINGTON



1 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

OCCUPANT LOAD FIRST FLOOR = 1099.05

PROPERTY ZONING: R-6

CONSTRUCTION TYPE:
TYPE VA 1 HR. SPRINKLERED THROUGHOUT

BUILDING CODE:
IBC 2003

OCCUPANCY:
A3

ALLOWABLE AREA:

TYPE VA SPRINKLERD TOTAL ALLOWABLE AREA	= 86,250 SF
TOTAL BUILDING AREA	= 80,514 SF
TOTAL BUILDING AREA PHASE ONE	= 30,762 SF

ENERGY:

ROOF	R 30
WALL ABOVE GRADE	R 19
SLAB	R 10

LOT COVERAGE FULL BUILDOUT & PHASE ONE:

LOT AREA:	915,744 S.F.	
ROOF & OVERHANGS:	82,225 S.F.	
SIDEWALKS:	4,458 S.F.	
PAVEMENT & CURBS:	103,631 S.F.	
LOT COVERAGE AS IMPERVIOUS SURFACE:	190,320 S.F.	19%
LOT COVERAGE PHASE ONE:	168,351 S.F.	17%

PARKING: 330 SPACES

INTERIOR FINISHES

A. MAXIMUM ALLOWABLE FLAME SPREAD*
1. ALL OCCUPANCIES — TABLE 803.3

LOCATIONS	CLASS	MAXIMUM FLAME SPREAD
A. ENCLOSED VERTICAL EXITWAYS	B	75
B. OTHER EXITWAYS	C	200
C. ROOMS OR AREAS	C	200

2. FOAM PLASTIC INSULATION — CLASS B, PROVIDED FOAM PLASTIC IS SEPARATED FROM THE INSIDE BY A THERMAL BARRIER COMPLYING WITH SECTION 2603. — 2603

B. MAX ALLOWABLE SMOKE DENSITY (INCLUDING FOAM PLASTIC INSULATION) — 450 — 803.1

C. INTERIOR TRIM
1. WOOD — COMBUSTIBLE MATERIALS SHALL BE PERMITTED TO BE USED AS FINISH FOR WALL, CEILINGS, FLOORS AND OTHER INTERIOR SURFACES OF BUILDINGS. SHOW WINDOWS IN THE FIRST STORY OF BUILDINGS SHALL BE PERMITTED TO BE OF WOOD OR OF UNPROTECTED METAL FRAMING.
2. GENERAL — MATERIAL USED AS INTERIOR TRIM SHALL HAVE A MINIMUM CLASS C FLAME SPREAD INDEX AND SMOKE-DEVELOPED INDEX. COMBUSTIBLE TRIM, EXCLUDING HANDRAILS AND GUARDRAILS, SHALL NOT EXCEED 10 PERCENT OF THE AGGREGATE WALL OR CEILING AREA IN WHICH IT IS LOCATED. — 803.5
3. FOAM PLATIC TRIM — CAN BE UTILIZED ON NOT MORE THAN 10% OF WALLS AND CEILINGS PROVIDED. A) DENSITY IS NOT LESS THAN 20 LBS/FT B) MAXIMUM THICKNESS OF 1/2 INCH AND A MAXIMUM WIDTH OF 8 INCHES, AND C) CLASS B FLAME SPREAD OR LESS (0-75) SMOKE DEVELOPED INDEX IS NOT LIMITED. — 2604.2

* FULLY SPRINKLERED BUILDING

EXITING REQUIREMENTS
MEANS OF EGRESS PATH WITH MINIMUM WIDTH = WIDTH OF DOOR OPENING AS THEY OCCUR, SEE DOOR SCHEDULE (CS-4)

CATEGORY	REQUIREMENT	REFERENCE
STAIRS		
1. WIDTH	MINIMUM STAIRWAY WIDTH IS 44 INCHES FOR OCCUPANT LOADS EXCEEDING 50. HANDRAILS MAY PROJECT INTO THE REQUIRED WIDTH 4.5" AT EACH HANDRAIL.	1009.1 1009.11.1
2. STEPS	MINIMUM RISE 4 INCHES MAXIMUM RISE 7 INCHES MINIMUM TREAD 11 INCHES	1009.3 1009.3 1009.3
3. LANDINGS	EVERY LANDING TO HAVE A DIMENSION MEASURED IN THE DIRECTION OF TRAVEL NOT LESS THAN THE WIDTH OF THE STAIRWAY, BUT DOES NOT NEED TO EXCEED 48" WHEN STAIR HAS A STRAIGHT RUN. MAXIMUM VERTICAL DISTANCE BETWEEN LANDINGS IS 12 FEET.	1009.4 1009.6
4. HANDRAILS MINIMUM STAIRWAY WIDTH IS 44 INCHES FOR	REQUIRED EACH SIDE, AND EVERY STAIRWAY OVER 60 INCHES IN WIDTH IS REQUIRED TO HAVE AT INTERMIDIATE HANDRAILS WITHIN 30" FOR ALL PORTIONS OF THE STAIRWAY REQUIRED EXIT WIDTH. MAXIMUM HEIGHT OF HANDRAILS IS 38 INCHES, MINIMUM HEITHT IS 34 INCHES. HANDRAILS MUST EXTEND 12 INCHES MINIMUM BEYOND THE TOP AND BOTTOM RISERS.	1009.11.2 1009.11.1 1009.11.5
	HANDRAILS PROJECTING FROM A WALL MUST HAVE AT LEAST 1 1/2" SPACE BETWEEN WALL AND HANDRAIL.	
STAIRS		
5. HEADROOM	MINIMUM 6 FEET 8 INCHES	1009.2
6. STAIRWAY TO ROOF	BUILDINGS 4 OR MORE STORIES IN HEIGHT ARE REQUIRED TO HAVE AT LEAST ONE STAIRWAY EXTEND TO THE ROOF, UNLESS THE SLOPE OF THE ROOF IS GREATER THAN 4 IN 12.	1009.12
7. STAIRWAY IDENTIFICATION	APPROVED STAIRWAY IDENTIFICATION LOCATED AT EACH FLOOR LEVEL IN ALL ENCLOSED STAIRWAYS. THE SIGN TO IDENTIFY THE STAIRWAY, IF THERE IS ROOF ACCESS, FLOOR LEVEL, AND THE UPPER AND LOWER TERMINUS. THE SIGN IS TO BE LOCATED AT LEAST 5 FT ABOVE THE FLOOR, AND BE VISIBLE WHEN THE DOOR IS OPEN OR CLOSED.	1009.1.7

EXITING REQUIREMENTS

CATEGORY	REQUIREMENT	REFERENCE
OCCUPANT LOAD		
1. GENERAL	BASED ON ALL PORTIONS OF THE BUILDING BEING OCCUPIED AT THE SAME TIME.	1004
2. NON-SIMULTANEOUS USE	ACCESSORY USE AREAS WHICH ARE ORDINARY USED BY PERSONS WHO OCCUPY MAIN AREAS NEED NOT TO BE INCLUDED IN CALCULATING TOTAL OCCUPANT LOAD.	
3. PER FLOOR OR AREA	DETERMINED BY DIVIDING THE APPROPRIATE FLOOR AREA BY THE CORRESPONDING OCCUPANT LOAD FACTOR. WHEN THE INTENDED USE IS NOT LISTED IN THE TABLE THE BUILDING OFFICIAL WILL ESTABLISH AN OCCUPANT LOAD FACTOR.	1004.1.2

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ISSUE DATE: 7/17/2006
REVISIONS: 1 REVISION 12/13/06; 2 REVISION 2/28/07
CODE SUMMARY

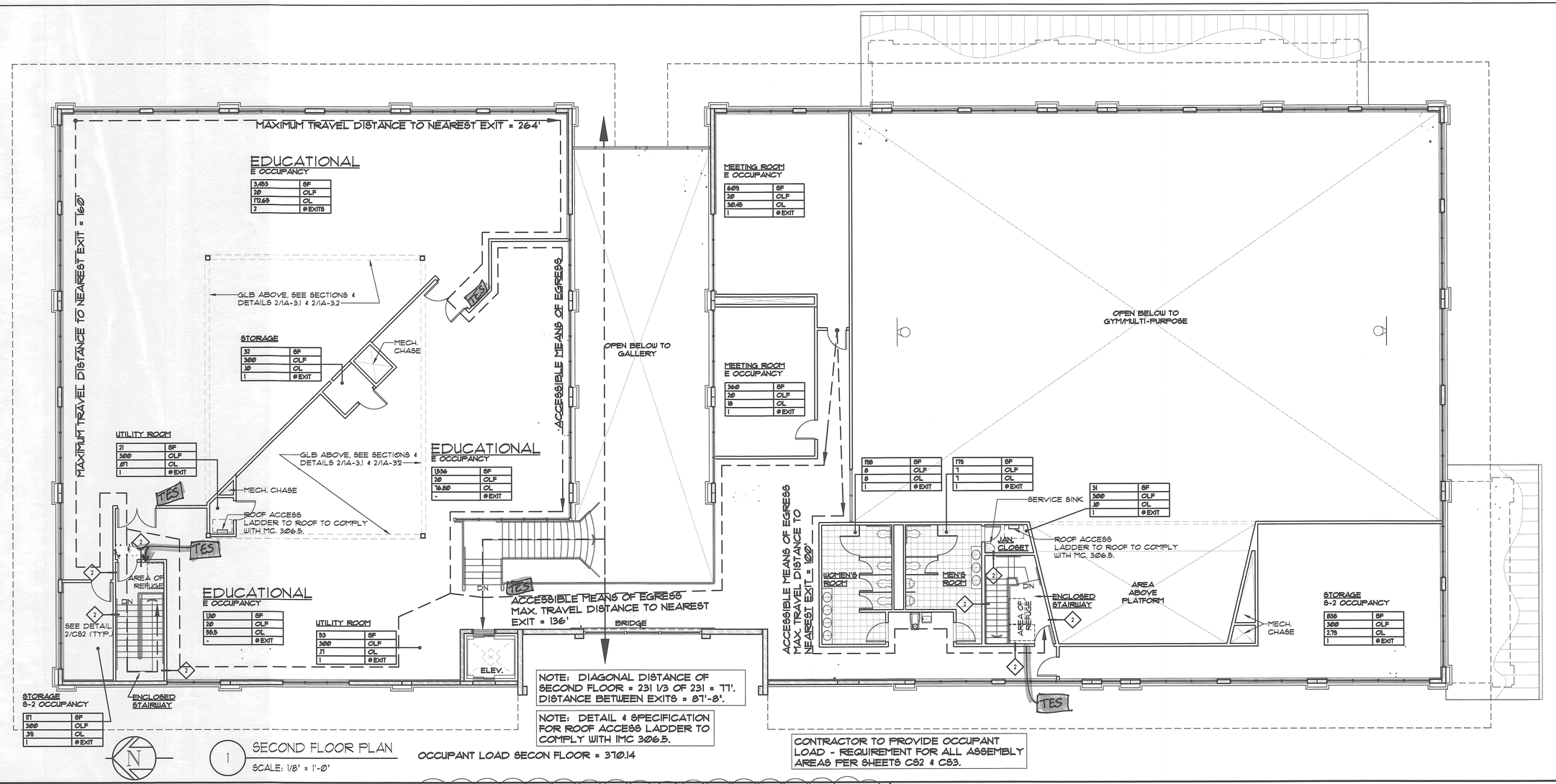
APPLICATION TO CONSTRUCT PER CODES AS REQUIRED BY RCW 19.27 SUBJECT TO PLAN REVIEW, INSPECTION AND CORRECTIONS

MAR 19 2007
CITY OF SAMMAMISH

JOB NO: 03101

EVERGREEN CHRISTIAN FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

CS-2



EXITING REQUIREMENTS

CATEGORY	REQUIREMENT	REFERENCE
EXIT WIDTH		
1. MINIMUM TOTAL EXIT WIDTH (INCHES)		1005.1
A. STAIR WIDTH	OCCUPANT LOAD MULTIPLIED BY .2	
B. HORIZONTAL WITH	OCCUPANT LOAD MULTIPLIED BY .15	
C. HORIZONTAL PATH	WHERE STAIRS ARE PART OF THE HORIZONTAL PATH, THEY MUST BE SIZED AT .2 INCHES PER PERSON.	
ASSEMBLY OCCUPANCIES		
D. STAIRWAYS	OCCUPANT LOAD MULTIPLIED BY .3	
E. OTHER EGRESS COMPONENTS	OCCUPANT LOAD MULTIPLIED BY .2	1005.1
2. MAINTAINING EXIT WIDTH	THE MAXIMUM EXIT WIDTH FOR ANY STORY MUST BE MAINTAINED. EXIT WIDTH MUST NOT DECREASE IN THE PATH OF TRAVEL.	1005.1
ARRANGEMENT OF EXITS		
1. TWO EXITS	EXITS MUST BE SEPARATED BY AT LEAST ONE-THIRD THE MAXIMUM OVERALL DIAGONAL DIMENSION MEASURED IN A STRAIGHT LINE BETWEEN EXITS. DISTANCE CAN BE MEASURED ALONG THE PATH OF TRAVEL WHERE EXIT ENCLOSURES ARE AT LEAST 30 FEET APART AND INTERCONNECTED BY A 1-HOUR CORRIDOR	1004.2.1
2. THREE OR MORE EXITS	AT LEAST TWO EXITS MUST BE SEPARATED BY AT LEAST ONE-HALF THE DIAGONAL DISTANCE OF THE AREA SERVED. EXITS MUST BE ARRANGED A REASONABLE DISTANCE APART SO THAT IF ONE BECOMES BLOCKED THE OTHERS WILL REMAIN AVAILABLE.	1014.2.1

NOTE:

OTHER APPLICABLE CODE OR STANDARDS APPLICABLE TO THIS PROJECT ON THIS SHEET: 2005 WASHINGTON STATE ENERGY CODE, ANSI A117.1-2003, 2003 INTERNATIONAL MECHANICAL CODE, 2003 INTERNATIONAL PLUMBING CODE, WAC 51-50.

2

TES

TACTILE EXIT SIGN

A tactile sign stating EXIT and complying with ICC A117.1 shall be provided adjacent to each door to an egress stairway, an exit passageway and the exit discharge. **(IBC 1011.3)**

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ISSUE DATE: 7/17/2006
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APPROVED TO CONSTRUCT PER CODES AS RESCRIBED IN WCW 19.27 SUBJECT TO INSPECTION AND CORRECTIONS
MAR 19 2007
CITY OF SAMMAMISH

CODE SUMMARY

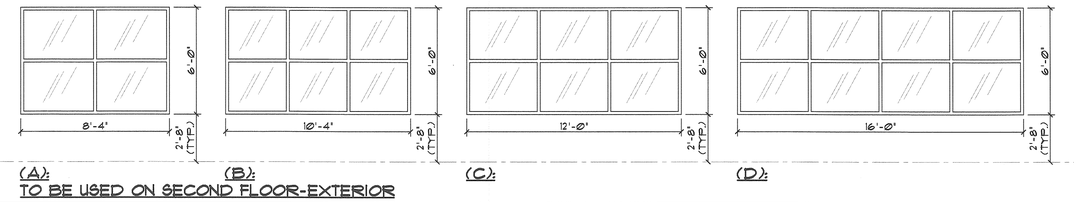
JOB NO: 03101

EVERGREEN CHRISTIAN FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

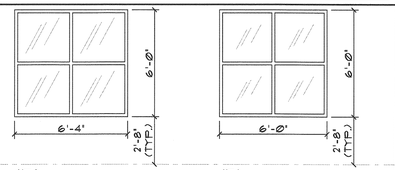
CS-3

WINDOW SCHEDULE -NFRC STANDARDS TO BE MET.

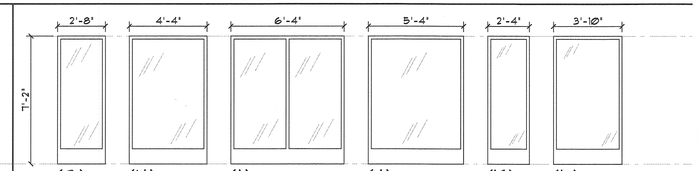
WINDOW NO.	WINDOW SIZE	OPERATION	FRAME MATERIAL	GLAZING	SILL HEIGHT	U-VALUE	S.H.G.C.	REMARKS
A	8'-4" X 6'-0"	FIXED	-	1" INSULATED	2'-8"	.48	0.4	EXTERIOR
B	-	-	-	-	-	-		-
C	-	-	-	-	-	-		-
D	-	-	-	-	-	-		-
E	-	-	-	-	-	-		-
F	-	-	-	-	-	-		-
G	-	-	-	-	-	-		SAFETY GLASS
H	-	-	-	-	-	-		SAFETY GLASS
I	-	-	-	-	-	-		SAFETY GLASS
J	-	-	-	-	-	-		SAFETY GLASS
K	-	-	-	-	-	-		SAFETY GLASS
L	-	-	-	-	-	-		SAFETY GLASS
M	-	-	-	-	-	-		-
N	-	-	-	-	-	-		SAFETY GLASS
O	-	-	-	-	-	-		SAFETY GLASS
P	-	-	-	-	-	-		-
Q	-	-	-	-	-	-		-
R	-	-	-	-	-	-		-
S	-	-	-	-	-	-		STORE FRONT



(A): (B): (C): (D):
TO BE USED ON SECOND FLOOR-EXTERIOR



(E): (F):
TO BE USED ON SECOND FLOOR-EXTERIOR

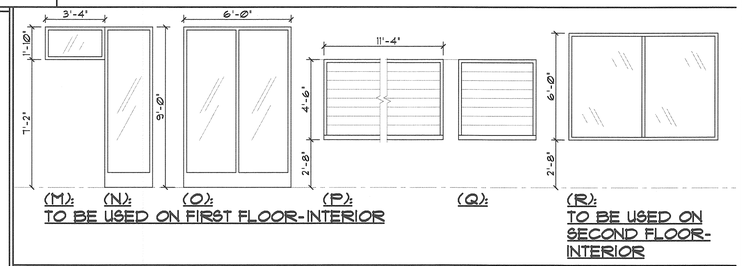


(G): (H): (I): (J): (K): (L):
TO BE USED ON FIRST FLOOR-INTERIOR

DOOR SCHEDULE

	DOOR NO.	ROOM NAME	DOOR SIZE	DOOR TYPE	DOOR THICK	FRAME SIZE	FRAME TYPE	HARDWARE GROUP	FIRE RATING	REMARKS
FIRST FLOOR	101A	CORRIDOR	3'-0" X 7'-0" (PR.)	C	1¾"	6'-4 X 7'-2"	2	1	-	EXTERIOR
	101B	CORRIDOR	3'-0" X 7'-0" (PR.)	C	1¾"	6'-4 X 7'-2"	2	1	-	EXTERIOR
	101C	CORRIDOR	3'-0" X 7'-0" (PR.)	C	1¾"	6'-4 X 7'-2"	2	1	-	EXTERIOR
	101D	CORRIDOR	3'-0" X 7'-0" (PR.)	C	1¾"	6'-4 X 7'-2"	2	1	-	EXTERIOR
	102A	UTILITY ROOM	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	-	1 HR.	-
	S2A	ELEVATOR MACHINE ROOM	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	14	-	-
	102A	UTILITY ROOM	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	2	-	-
	102B	UTILITY ROOM	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	2	-	-
	103A	JANITOR CLOSET	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	3	-	-
	104A	FIRE RISER ROOM	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	4	1 HR.	EXTERIOR
	105A	STORAGE	3'-0" X 7'-0" (PR.)	D	1¾"	6'-4 X 7'-2"	2	5	-	SELF CLOSING NO AIR TRANSFER OPENINGS, CLEARANCES PER NFPA 80
	S1A	ENCLOSED STAIRWAY	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	14	1 HR.	-
	S1B	ENCLOSED STAIRWAY	3'-0" X 7'-0"	A	1¾"	3'-4 X 7'-2"	1	15	1 HR.	EXTERIOR
	106A	AUDIO VISUAL CONTROL RM.	3'-0" X 7'-0" (PR.)	D	1¾"	6'-4 X 7'-2"	2	5	-	-
	106B	AUDIO VISUAL CONTROL RM.	3'-0" X 7'-0" (PR.)	D	1¾"	6'-4 X 7'-2"	2	5	-	-
	106C	AUDIO VISUAL CONTROL RM.	3'-0" X 7'-0" (PR.)	D	1¾"	6'-4 X 7'-2"	2	5	-	-
	106D	AUDIO VISUAL CONTROL RM.	3'-0" X 7'-0" (PR.)	D	1¾"	6'-4 X 7'-2"	2	-	-	-
	107A	GYM/MULTI-PURPOSE	3'-0" X 7'-0" (PR.)	D	1¾"	6'-4 X 7'-2"	2	6	1 HR.	EXTERIOR
	107B	GYM/MULTI-PURPOSE	3'-0" X 7'-0" (PR.)	D	1¾"	6'-4 X 7'-2"	2	6	1 HR.	EXTERIOR
	107C	GYM/MULTI-PURPOSE	3'-0" X 7'-0" (PR.)	D	1¾"	6'-4 X 7'-2"	2	6	1 HR.	EXTERIOR
	107D	GYM/MULTI-PURPOSE	3'-0" X 7'-0" (PR.)	C	1¾"	6'-4 X 7'-2"	2	7	1 HR.	-
	107E	GYM/MULTI-PURPOSE	3'-0" X 7'-0" (PR.)	C	1¾"	6'-4 X 7'-2"	2	7	1 HR.	-
	107F	GYM/MULTI-PURPOSE	11'-2" X 7'-0"	-	1¾"	6'-4 X 7'-2"	3	-	1 HR.	EXTERIOR ROOL-UP DOOR
	107G	GYM/MULTI-PURPOSE	11'-2" X 7'-0"	-	1¾"	6'-4 X 7'-2"	3	-	1 HR.	EXTERIOR ROOL-UP DOOR
	108A	ELECTRICAL ROOM	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	8	-	-
	108B	ELECTRICAL ROOM	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	9	1 HR.	EXTERIOR
	109A	KITCHEN	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	10	-	180° SWING
	109B	KITCHEN	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	11	-	-
	109D	KITCHEN	3'-0" X 7'-0"	B	1¾"	3'-4 X 7'-2"	1	13	1 HR.	EXTERIOR
	109E	KITCHEN	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	13	1 HR.	EXTERIOR
	110A	STORAGE	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	10	-	SELF CLOSING NO AIR TRANSFER OPENINGS, CLEARANCES PER NFPA 80
	112A	MEETING ROOM	3'-0" X 7'-0" (PR.)	C	1¾"	6'-4 X 7'-2"	2	7	1 HR.	-
	112B	MEETING ROOM	3'-0" X 7'-0" (PR.)	C	1¾"	6'-4 X 7'-2"	2	6	1 HR.	EXTERIOR
	114A	FUTURE TENANT IMPROVEMENT	3'-0" X 7'-0"	B	1¾"	3'-4 X 7'-2"	1	18	-	-
	114B	FUTURE TENANT IMPROVEMENT	3'-0" X 7'-0"	C	1¾"	3'-4 X 7'-2"	1	13	1 HR.	EXTERIOR
	S3A	ENCLOSED STAIRWAY	3'-0" X 7'-0"	A	1¾"	3'-4 X 7'-2"	1	-	1 HR.	-
	115A	SERVER	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	19	-	-
	116A	STORAGE	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	19	-	SELF CLOSING NO AIR TRANSFER OPENINGS, CLEARANCES PER NFPA 80
	117A	OFFICE	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	19	-	-
	118A	OFFICE	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	19	-	-
	118B	OFFICE	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	19	-	-
	119A	OFFICE	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	19	-	-
	120A	OFFICE	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	19	-	-
	121A	OFFICE	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	19	-	-
	122A	ADMINISTRATIVE	3'-0" X 7'-0"	B	1¾"	3'-4 X 7'-2"	1	2, 17	-	-
	123A	RECEPTION	3'-0" X 7'-0"	C	1¾"	3'-4 X 7'-2"	1	16	-	-
	123B	RECEPTION	3'-0" X 7'-0"	C	1¾"	3'-4 X 7'-2"	1	1, 17	1 HR.	-
	125A	FOYER	3'-0" X 7'-0"	C	1¾"	3'-4 X 7'-2"	1	1, 17	1 HR.	-
	126A	CORRIDOR	3'-0" X 7'-0"	B	1¾"	3'-4 X 7'-2"	1	18	-	-
	127A	WOMEN'S ROOM	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	20	-	DOOR CLOSER
	127B	WOMEN'S ROOM	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	21	-	DOOR CLOSER
	128A	MEN'S ROOM	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	20	-	DOOR CLOSER
	128B	MEN'S ROOM	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	21	-	DOOR CLOSER
SECOND FLOOR	201A	EDUCATIONAL	3'-0" X 7'-0" (PR.)	B	1¾"	6'-4 X 7'-2"	2	7	1 HR.	-
	201B	EDUCATIONAL	3'-0" X 7'-0" (PR.)	B	1¾"	6'-4 X 7'-2"	2	7	1 HR.	-
	202A	STORAGE	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	22	-	SELF CLOSING NO AIR TRANSFER OPENINGS, CLEARANCES PER NFPA 80
	202B	UTILIY ROOM	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	22	-	SELF CLOSING NO AIR TRANSFER OPENINGS, CLEARANCES PER NFPA 80
	S3B	ENCLOSED STAIRWAY	3'-0" X 7'-0"	A	1¾"	3'-4 X 7'-2"	1	-	1 HR.	-
	204A	UTILIY ROOM	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	-	-	-
	205A	MEETING ROOM	3'-0" X 7'-0"	B	1¾"	3'-4 X 7'-2"	1	18	1 HR.	-
	206A	MEETING ROOM	3'-0" X 7'-0"	B	1¾"	3'-4 X 7'-2"	1	18	1 HR.	-
	207A	WOMEN'S ROOM	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	20	-	-
	208A	MEN'S ROOM	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	20	-	-
	209A	JANITOR CLOSET	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	19	-	SELF CLOSING NO AIR TRANSFER OPENINGS, CLEARANCES PER NFPA 80
	S1C	ENCLOSED STAIRWAY	3'-0" X 7'-0"	A	1¾"	3'-4 X 7'-2"	1	23	1 HR.	-
	210A	STORAGE	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	22	1 HR.	-
	211A	STORAGE	3'-0" X 7'-0"	D	1¾"	3'-4 X 7'-2"	1	-	-	SELF CLOSING NO AIR TRANSFER OPENINGS, CLEARANCES PER NFPA 80

LEGEND:



(M): (N): (O): (P): (Q): (R):
TO BE USED ON FIRST FLOOR-INTERIOR — TO BE USED ON SECOND FLOOR-INTERIOR

NOTE:

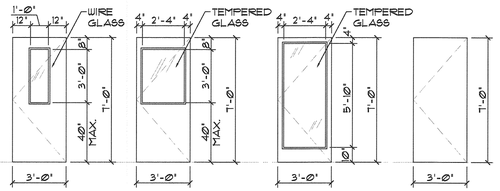
1. ALL EXTERIOR DOORS TO HAVE KNOX BOX AND SIGN AS REQUIRED BY THE ISSAQUAH FIRE MARSHALL AND BUILDING OFFICIAL.

2. ALL DOORS TO HAVE LOCKS AS REQUIRED BY THE OWNER.

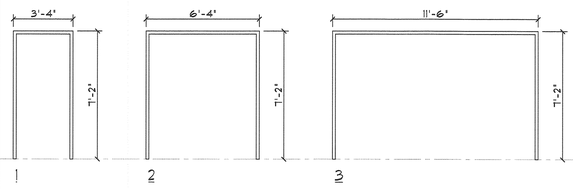
3. ALL DOOR HANDLES ADA LEVER HANDLES.

OPAQUE DOORS: Ø.31 MAX.
OVERHEAD DOORS: Ø.48 MAX.
GLAZING IN DOORS: Ø.48 MAX.

DOOR SIZES & TYPES:



FRAME TYPES:



NOTE:

MAXIMUM THRESHOLD = 1/2" FOR BARRIER FREE ACCESS ALL DOOR THRESHOLDS, HARDWARE, TO BE IN COMPLIANCE WITH ADA.

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APPROVED TO CONSTRUCT PER CODES AS REVIEWED BY ROW 19.27 SUBJECT TO FIELD INSPECTION AND CORRECTION
MAR 19 2007
CITY OF SAMMAMISH

ISSUE DATE: 7/17/2006
REVISIONS: 1 REVISION 12/13/06

DOOR AND WINDOW SCHEDULES

JOB NO: 03101

EVERGREEN CHRISTIAN FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

CS-4

HARDWARE SCHEDULE:

EVERGREEN CHRISTIAN FELLOWSHIP
SAMMAMISH, WA 08710-6

3.3 MAINTENANCE

A. Approximately six months after the acceptance of hardware in each area, the hardware installer shall:
1. Return to the project and re-adjust every item of hardware to restore proper function of doors and hardware.
2. Consult with and instruct Owner's personnel in recommended additions to the maintenance procedures.
3. Replace hardware items which have deteriorated or failed due to faulty design, materials or installation of hardware units.
4. Prepare a written report of current and predictable problems (of substantial nature) in the performance of the hardware and submit to the Architect.

3.4 HARDWARE SCHEDULE

Hardware Group #1 Doors 101A, 101B, 101C, 101D, 123B (base bid), 125A (base bid)

1 ea. Cylinder	1193 or 2196 as required door manufacturer
Balance by door manufacturer	

Hardware Group #2 Doors 102A, 102B, 122A

3 ea. Hinges	TA2714 4½x4½ US26D (NRP as required)
1 ea. Lock	AU5308LN 626
1 ea. Closer	8501 Alum
1 ea. Kick Plate	K0050 10x2"LDW B4E
1 ea. Floor Stop	1211 626
3 ea. Silencers	1229A
1 ea. Threshold	2749A x FHSL25 (Door 102B)

Hardware Group #3 Door 103A

3 ea. Hinges	TA2714 4½x4½ US26D NRP
1 ea. Lock	AU5307LN 626
1 ea. Overhead Stop	10-036 652
3 ea. Silencers	1229A

Hardware Group #4 Door 104A

3 ea. Hinges	TA2314 4½x4½ US32D NRP
1 ea. Lock	AU5405LN 626
1 ea. Latch Protector	LP107 630
1 ea. Overhead Stop	10-036 630
1 ea. Gasket	S88D
1 ea. Sweep	18062CNB
1 ea. Threshold	171A x FHSL25

Hardware Group #5 Doors 105A, 106A, 105B, 106C

6 ea. Hinges	TA2714 4½x4½ US26D NRP
1 ea. Lock	AU5308LN US26D
2 ea. Flush Bolts	3917-12 626
2 ea. Wall Stops	1270 WVCP 630
1 ea. Threshold	2749A x FHSL25
Astragal by door manufacturer	

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Hardware Group #6 Doors 107A, 107B, 107C, 112B

6 ea. Hinges	T4A3386 4½x4½ US26D NRP
1 ea. Exit Device	7100 x 681F 630 x 1193
1 ea. Exit Device	7100 x 880F 630
1 ea. Mullion	M100F USP
2 ea. Closer/Stops	UNI8501 Alum
2 ea. Kick Plates	K0050 10x2"LDW B4E
1 ea. Gasket	S88D (perimeter and mullion)
2 ea. Sweeps	18062CNB
1 ea. Threshold	2749A x FHSL25

Hardware Group #7 Doors 107D, 107E, 112A, 201A, 201B

6 ea. Hinges	T4A3786 4½x4½ US26D NRP
2 ea. Exit Devices	7100 x AU626F 630 x 1193
1 ea. Mullion	M100F USP
2 ea. Closer/Stops	UNI8501 Alum
2 ea. Kick Plates	K0050 10x2"LDW B4E
1 ea. Gasket	S88D (perimeter)
1 ea. Threshold	2749A x FHSL25

Hardware Group #8 Door 108A

3 ea. Hinges	TA2714 4½x4½ US26D NRP
1 ea. Exit Device	7100F x 121NL 630 x 1193
1 ea. Closer	8501 Alum
1 ea. Wall Stop	1270 WVCP 630
1 ea. Gasket	S88D
1 ea. Threshold	2749A x FHSL25

Hardware Group #9 Door 108B

3 ea. Hinges	TA2314 4½x4½ US32D NRP
1 ea. Exit Device	7100F x 121NL 630 x 1193
1 ea. Closer/Stop	CLP8501 Alum
1 ea. Gasket	S88D
1 ea. Sweep	18062CNB
1 ea. Threshold	171A x FHSL26

Hardware Group #10 Doors 109A, 110A

3 ea. Hinges	TA2714 4½x4½ US26D
1 ea. Lock	AU5308LN 626
1 ea. Wall Stop	1270 WVCP 630
3 ea. Silencers	1229A
1 ea. Threshold	2749A x FHSL25 (Door 109A)

Hardware Group #11 Door 109B

3 ea. Hinges	TA2714 4½x4½ US26D
1 ea. Lock	AU5308LN 626
1 ea. Overhead Stop	10-036 652
3 ea. Silencers	1229A
1 ea. Threshold	2749A x FHSL25

EVERGREEN CHRISTIAN FELLOWSHIP
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Hardware Group #12 Door 109C

3 ea. Hinges	TA2714 4½x4½ US26D
1 ea. Lock	AU5307LN 626
1 ea. Floor Stop	1211 626
3 ea. Silencers	1229A

Hardware Group #13 Doors 109D, 109E, 114B

3 ea. Hinges	TA2314 4½x4½ US32D NRP
1 ea. Lock	AU5408LN 626
1 ea. Latch Protector	LP107 630
1 ea. Closer/Stop/Holder	CLP8501T Alum
1 ea. Kick Plate	K0050 10x2"LDW B4E
1 ea. Gasket	S88D
1 ea. Sweep	18062CNB
1 ea. Threshold	171A x FHSL25

Hardware Group #14 Door S1A, S2A

3 ea. Hinges	TA2714 4½x4½ US26D NRP
1 ea. Lock	AU5305LN 626
1 ea. Closer	PR8501 Alum
1 ea. Kick Plate	K0050 10x2"LDW B4E
1 ea. Wall Stop	1270 WVCP 630
1 ea. Gasket	S88D
1 ea. Threshold	2749A x FHSL25 (Door S1A)

Hardware Group #15 Door S1B

3 ea. Hinges	T4A3386 4½x4½ US26D NRP
1 ea. Exit Device	7100 x 681F 630 x 1193
1 ea. Closer/Stop	UNI8501 Alum
1 ea. Kick Plate	K0050 10x2"LDW B4E
1 ea. Gasket	S88D (perimeter and mullion)
1 ea. Sweep	18062CNB
1 ea. Threshold	2749A x FHSL25

Hardware Group #16 Door 123A

3 ea. Hinges	TA2714 4½x4½ US26D
1 ea. Latch	AU5301LN 626
1 ea. Wall Stop	1270 WVCP 630
3 ea. Silencers	1229A

Hardware Group #17 Doors 122A, 123B (alt bid), 125A (alt bid)

3 ea. Hinges	TA2714 4½x4½ US26D NRP
1 ea. Lock	AU5308LN 626
1 ea. Closer	PR8501 Alum
1 ea. Kick Plate	K0050 10x2"LDW B4E
1 ea. Wall Stop	1270 WVCP 630
3 ea. Silencers	1229A

EVERGREEN CHRISTIAN FELLOWSHIP
SAMMAMISH, WA 08710-5

Hardware Group #18 Door 114A, 126A, 205A, 206A

3 ea. Hinges	TA2714 4½x4½ US26D (NRP as required)
1 ea. Lock	AU5308LN 626
1 ea. Wall Stop	1270 WVCP 630
3 ea. Silencers	1229A

Hardware Group #19 Door 115A, 116A, 117A, 118A, 118B, 119A, 120A, 121A, 209A

3 ea. Hinges	TA2714 4½x4½ US26D
1 ea. Lock	AU5307LN 626
1 ea. Wall Stop	1270 WVCP 630
3 ea. Silencers	1229A

Hardware Group #20 Doors 127A, 128A, 207A, 208A

3 ea. Hinges	TA2714 4½x4½ US26D
1 ea. Push Plate	1001-3 630
1 ea. Pull Plate	1018-3 630
1 ea. Closer	PR8501 Alum
1 ea. Kick Plate	K0050 10x2"LDW B4E
1 ea. Mop Plate	KM050 4x1"LDW B4E
1 ea. Wall Stop	1270 WVCP 630
1 ea. Gasket	S88D

Hardware Group #21 Doors 127B, 128B

3 ea. Hinges	TA2714 4½x4½ US26D
1 ea. Push Plate	1001-3 630
1 ea. Pull Plate	1018-3 630
1 ea. Dead Bolt	3622B 626
1 ea. Closer	PR8501 Alum
1 ea. Kick Plate	K0050 10x2"LDW B4E
1 ea. Mop Plate	KM050 4x1"LDW B4E
1 ea. Wall Stop	1270 WVCP 630
1 ea. Gasket	S88D

Hardware Group #22 Doors 202A, 202B, 210A

3 ea. Hinges	TA2714 4½x4½ US26D NRP
1 ea. Lock	AU5305LN 626
1 ea. Wall Stop	1270 WVCP 630
3 ea. Silencers	1229A

Hardware Group #23 Door S1C

3 ea. Hinges	TA2714 4½x4½ US26D NRP
1 ea. Exit Device	7100F x AU626F 630 x 1193
1 na. Closer	PR8501 Alum
1 ea. Kick Plate	K0050 10x2"LD@ B4E
1 ea. Wall Stop	1270 WVCP 630
1 ea. Gasket	S88D

End of Section 08710

ACCESSIBLE AND TACTILE SIGNAGE REQUIREMENTS:

Chapter 7. Communication Elements and Features

701 General

701.1 Scope. Communications elements and features required to be accessible by the scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 7.

702 Alarms

702.1 General. Accessible audible and visual alarms and notification appliances shall be installed in accordance with NFPA 72 listed in Section 105.2.2, be powered by a commercial light and power source, be permanently connected to the wiring of the premises electric system, and be permanently installed.

703 Signs

703.1 General. Accessible signs shall comply with Section 703.

703.2 Visual Characters.

703.2.1 General. Visual characters shall comply with Section 703.2.

EXCEPTION: Visual characters complying with Section 703.3 shall not be required to comply with Section 703.2.

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

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

703.2.4 Character Height. The uppercase letter "I" shall be used to determine the allowable height of all characters of a font. The uppercase letter "I" of the font shall have a minimum height complying with Table 703.2.4. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign.

703.2.5 Character Width. The uppercase letter "O" shall be used to determine the allowable width of all characters of a font. The width of the uppercase letter "O" of the font shall be 55 percent minimum and 110 percent maximum of the height of the uppercase "I" of the font.

703.2.6 Stroke Width. The uppercase letter "I" shall be used to determine the allowable stroke width of all characters of a font. The stroke width shall be 10 percent minimum and 30 percent maximum of the height of the uppercase "I" of the font.

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

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

703.2.9 Height Above Floor. Visual characters shall be 40 inches (1015 mm) minimum above the floor of the viewing position, measured to the baseline of the character. Heights shall comply with Table 703.2.4, based on the size of the characters on the sign.

EXCEPTION: Visual characters indicating elevator car controls shall not be required to comply with Section 703.2.9.

703.2.10 Finish and Contrast. 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.

703.3 Tactile Characters.

703.3.1 General. Tactile characters shall comply with Section 703.3, and shall be duplicated in braille complying with Section 703.4.

703.3.2 Depth. Tactile characters shall be raised 1/32 inch (0.8 mm) minimum above their background.

703.3.3 Case. Characters shall be uppercase.

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

Table 703.2.4—Visual Character Height

Height above Floor to Baseline of Character	Horizontal Viewing Distance	Minimum Character Height
40 inches (1015 mm) to less than or equal to 70 inches (1780 mm)	Less than 6 feet (1830 mm)	5/8 inch (16 mm)
	6 feet (1830 mm) and greater	5/8 inch (16 mm), plus 1/8 inch (3.2 mm) per foot (305 mm) of viewing distance above 6 feet (1830 mm)
Greater than 70 inches (1780 mm) to less than or equal to 120 inches (3050 mm)	Less than 15 feet (4570 mm)	2 inches (51 mm)
	15 feet (4570 mm) and greater	2 inches (51 mm), plus 1/8 inch (3.2 mm) per foot (305 mm) of viewing distance above 15 feet (4570 mm)
Greater than 120 inches (3050 mm)	Less than 21 feet (6400 mm)	3 inches (75 mm)
	21 feet (6400 mm) and greater	3 inches (76 mm), plus 1/8 inch (3.2 mm) per foot (305 mm) of viewing distance above 21 feet (6400 mm)

703.3.5 Character Height. The uppercase letter "I" shall be used to determine the allowable height of all characters of a font. The height of the uppercase letter "I" of the font, measured vertically from the baseline of the character, shall be 5/8 inch (16 mm) minimum, and 2 inches (51 mm) maximum.

EXCEPTION: Where separate tactile and visual characters with the same information are provided, the height of the tactile uppercase letter "I" shall be permitted to be 1/2 inch (13 mm) minimum.

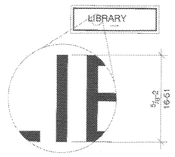


Fig. 703.3.5
Character Height

703.3.6 Character Width. The uppercase letter "O" shall be used to determine the allowable width of all characters of a font. The width of the uppercase letter "O" of the font shall be 55 percent minimum and 110 percent maximum of the height of the uppercase "I" of the font.

703.3.7 Stroke Width. Tactile character stroke width shall comply with Section 703.3.7. The uppercase letter "I" of the font shall be used to determine the allowable stroke width of all characters of a font.

703.3.7.1 Maximum. The stroke width shall be 15 percent maximum of the height of the uppercase letter "I" measured at the top surface of the character, and 30 percent maximum of the height of the uppercase letter "I" measured at the base of the character.

703.3.7.2 Minimum. When characters are both visual and tactile, the stroke width shall be 10 percent minimum of the height of the uppercase letter "I".

703.3.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent tactile characters within a message, excluding word spaces. Spacing between individual tactile character shall be 1/8 inch (3.2 mm) minimum measured at the top surface of the characters, 1/16 inch (1.6 mm) minimum measured at the base of the characters, and four times the tactile character stroke width maximum. Characters shall be separated from raised borders and decorative elements 5/8 inch (9.5 mm) minimum.

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

703.3.10 Height above Floor. Tactile characters shall be 48 inches (1220 mm) minimum above the floor, measured to the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the floor, measured to the baseline of the highest tactile character.

EXCEPTION: Tactile characters for elevator car controls shall not be required to comply with Section 703.3.10.

703.3.11 Location. Where a tactile sign is provided at a door, the sign shall be 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 leaves, the sign shall be to the right of the right-hand door. Where there is no wall space on the latch side of a single door, or to the right side of double doors, signs shall be on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor area 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.

EXCEPTION: Signs with tactile characters shall be permitted on the push side of doors with closers and without hold-open devices.

703.3.12 Finish and Contrast. 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.

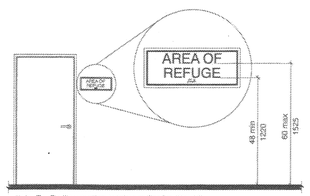
EXCEPTION: Where separate tactile characters and visual characters with the same information are provided, tactile characters are not required to have nonglare finish or to contrast with their background.

703.4 Braille.

703.4.1 General. Braille shall be contracted (Grade 2) braille and shall comply with Section 703.4.

703.4.2 Uppercase Letters. 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, or acronyms.

703.4.3 Dimensions. Braille dots shall have a domed or rounded shape and shall comply with Table 703.4.3.



Note: For Braille mounting height see Section 703.4.5

Fig. 703.3.10
Height of Tactile Characters above Floor or Ground

AREA OF REFUGE COMMUNICATION REQUIREMENTS:

Fig. 703.3.11
Location of Tactile Signs at Doors

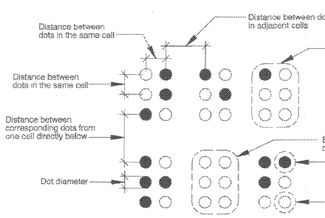


Fig. 703.4.3
Braille Measurement

Table 703.4.3— Braille Dimensions

Measurement range	Minimum in inches Maximum in inches
Dot base diameter	0.059 (1.5 mm) to 0.063 (1.6 mm)
Distance between two dots in the same cell	0.090 (2.3 mm) to 0.100 (2.5 mm)
Distance between corresponding dots in adjacent cells[1]	0.241 (6.1 mm) to 0.300 (7.6 mm)
Dot height	0.025 (0.6 mm) to 0.037 (0.9 mm)
Distance between corresponding dots from one cell directly below[1]	0.395 (10.0 mm) to 0.400 (10.2 mm)

[1]Measured center to center

703.4.4 Position. Braille shall be below the corresponding text. If text is multilined, braille shall be placed below 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. Braille provided on elevator car controls shall be separated 5/16 inch (4.8 mm) minimum either directly below or adjacent to the corresponding raised characters or symbols.

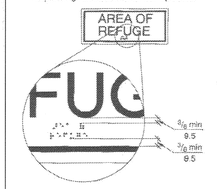


Fig. 703.4.4
Position of Braille

703.4.5 Mounting Height. Braille shall be 48 inches (1220 mm) minimum and 60 inches (1525 mm) maximum above the floor, measured to the baseline of the braille cells.

EXCEPTION: Elevator car controls shall not be required to comply with Section 703.4.5.

703.5 Pictograms.

703.5.1 General. Pictograms shall comply with Section 703.5.

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

703.5.3 Finish and Contrast. Pictograms and their fields shall have a nonglare finish. Pictograms shall contrast with their fields, with either a light pictogram on a dark field or a dark pictogram on a light field.

703.5.4 Text Descriptors. Where text descriptors for pictograms are required, they shall be located directly below the pictogram field. Text descriptors shall comply with Sections 703.3 and 703.4.

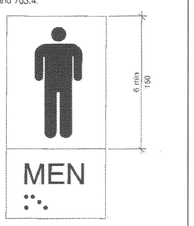


Fig. 703.5
Pictogram Field

703.6 Symbols of Accessibility.

703.6.1 General. Symbols of accessibility shall comply with Section 703.6.

703.6.2 Finish and Contrast. Symbols of accessibility and their backgrounds shall have a nonglare finish. Symbols of accessibility shall contrast with their backgrounds, with either a light symbol on a dark background or a dark symbol on a light background.

703.6.3 Symbols.

703.6.3.1 International Symbol of Accessibility. The International Symbol of Accessibility shall comply with Figure 703.6.3.1.

703.6.3.2 International Symbol of TTY. The International Symbol of TTY shall comply with Figure 703.6.3.2.

703.6.3.3 Assistive Listening Systems. Assistive listening systems shall be identified by the International Symbol of Access for Hearing Loss complying with Figure 703.6.3.3.

703.6.3.4 Volume-Controlled Telephones. Telephones with volume controls shall be identified by a pictogram of a telephone handset with radiating sound waves on a square field complying with Figure 703.6.3.4.

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ISSUE DATE: 7/17/2006
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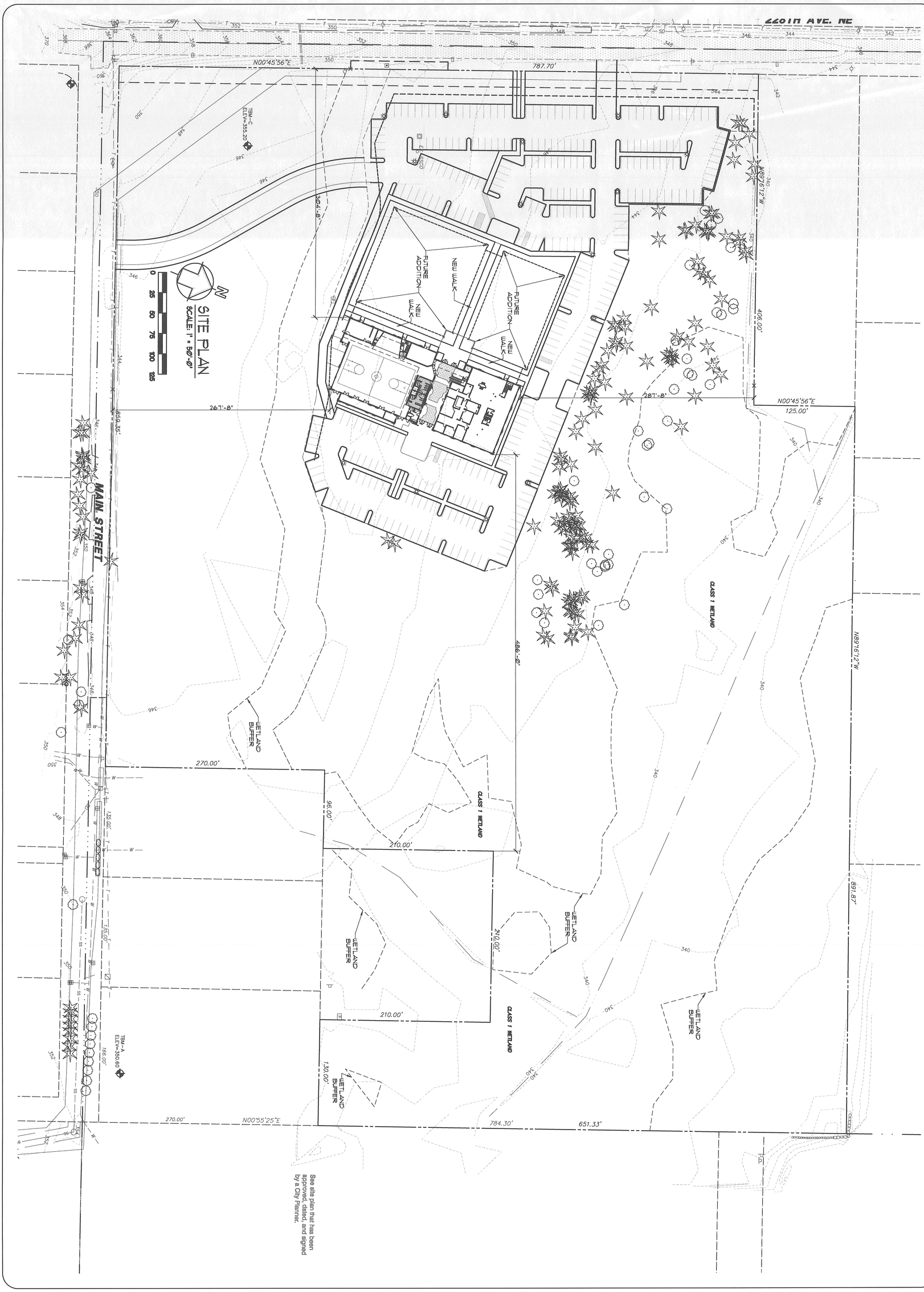
HARDWARE SCHEDULE
ACCESSIBLE, TACTILE SIGNAGE + AREA OF REFUGE REQUIREMENTS

JOB NO: 03101

APPROVED TO CONSTRUCT PER CODES AS REQUIRED BY BLDG. & FIRE SUBJECT TO FIELD INSPECTION AND CORRECTION
MAR 19 2007
CITY OF SAMMAMISH

EVERGREEN CHRISTIAN FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

CS-5



1A1-1

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CITY OF SAMMAMISH
MAR 19 2007
PLANNING & BUILDING
FIELD INSPECTION AND CORRECTION

JOB NO. 0626

ISSUE DATE: 7/17/2006
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SITE PLAN

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NOTE 1:
DRYVIT PANEL
7¼" TILT UP WALL PANEL
2' CHANNELS @ 24' O.C.
R-10 RIGID INSULATION
VAPOR BARRIER
⅝" GYP BD.

NOTE 2:
9¼" TILT UP CONCRETE PANEL
2' CHANNELS @ 24' O.C.
R-10 RIGID INSULATION
VAPOR BARRIER
⅝" GYP BD.

NOTE 3:
⅞" STUCCO
⅝" DENSGLAS
2x6 STUDS @ 24' O.C.
R-21 BATT
⅝" GYP. BD.

1 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

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2 REVISION 2/28/07

FIRST FLOOR PLAN

APPROVED TO CONSTRUCT
ALL CODES AS REQUIRED
RCW 19.27 SUBJECT TO
INSPECTION AND CORRECTION
MAR 19 2007
CITY OF SAMMAMISH

JOB NO: 03101

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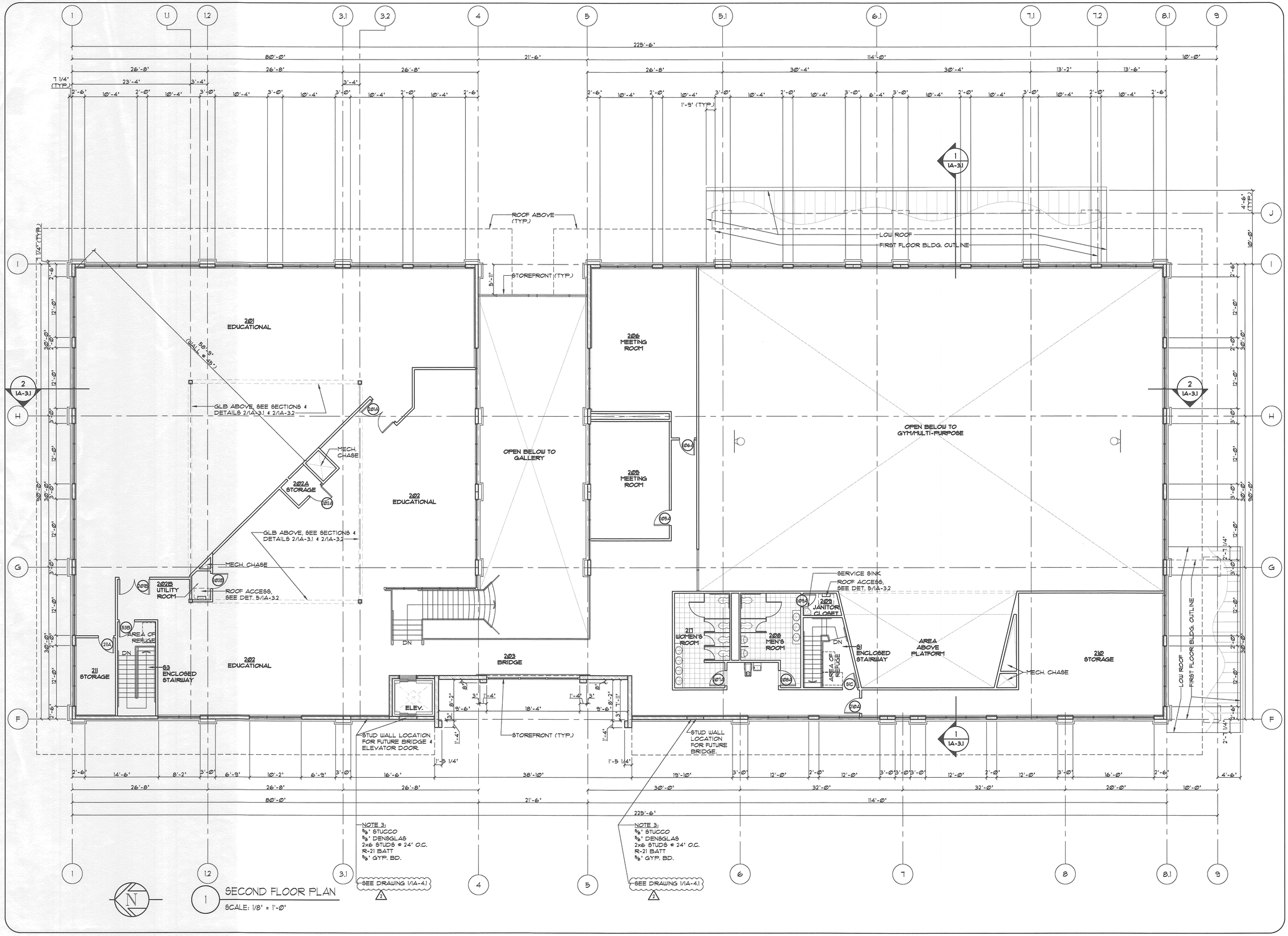
SAMMAMISH, WASHINGTON 98074

IA-2.1.1



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SECOND FLOOR PLAN

APPROVED TO CONSTRUCT PER CODES AS REQUIRED BY RCW 19.27 SUBJECT TO FIELD INSPECTION AND CORREC

MAR 19 2007

CITY OF SAMMAMISH

JOB NO: 03101

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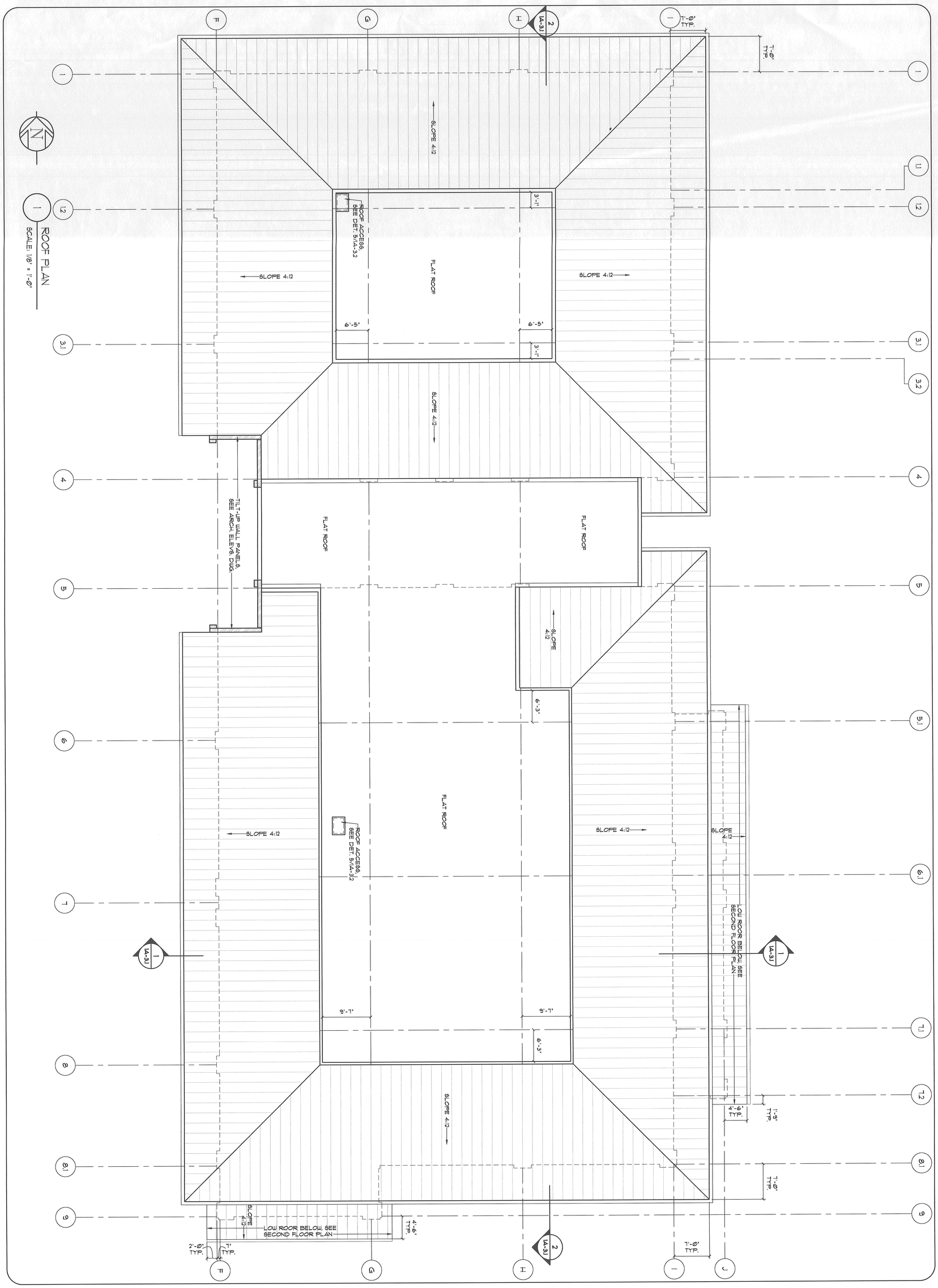
IA-2.1.2



1A-2.3

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JOB NO: 03101

ISSUE DATE: 7/17/2006

REVISIONS: 1 REVISION 12/13/06
2 REVISION 2/28/07

CITY OF SAMMAMISH
MAR 19 2007
PERMIT SET
REVISED TO CONSIST WITH BUILDING PERMIT SET
NOT FOR CONSTRUCTION

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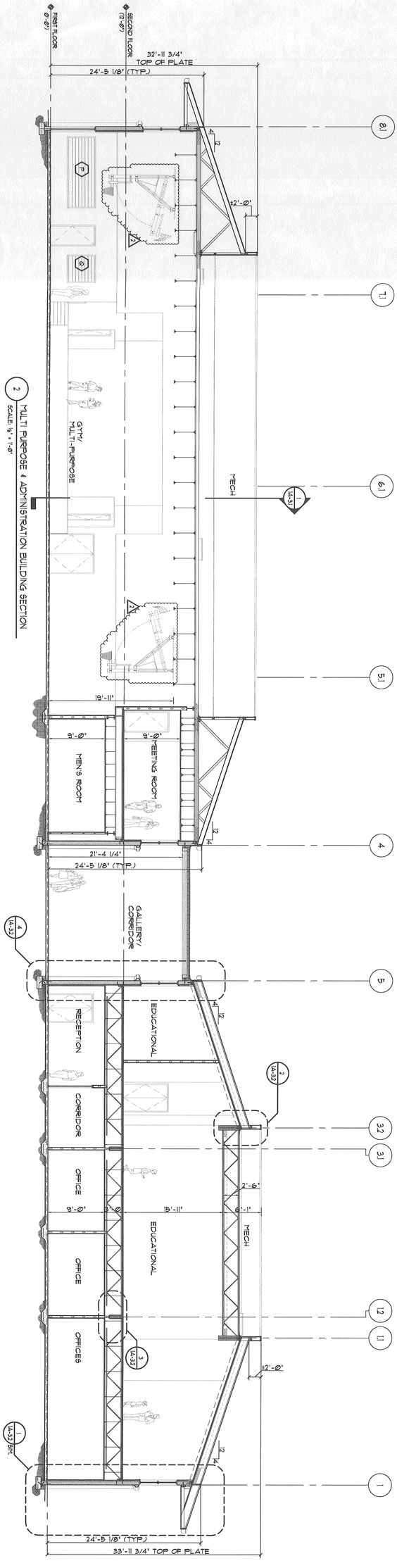

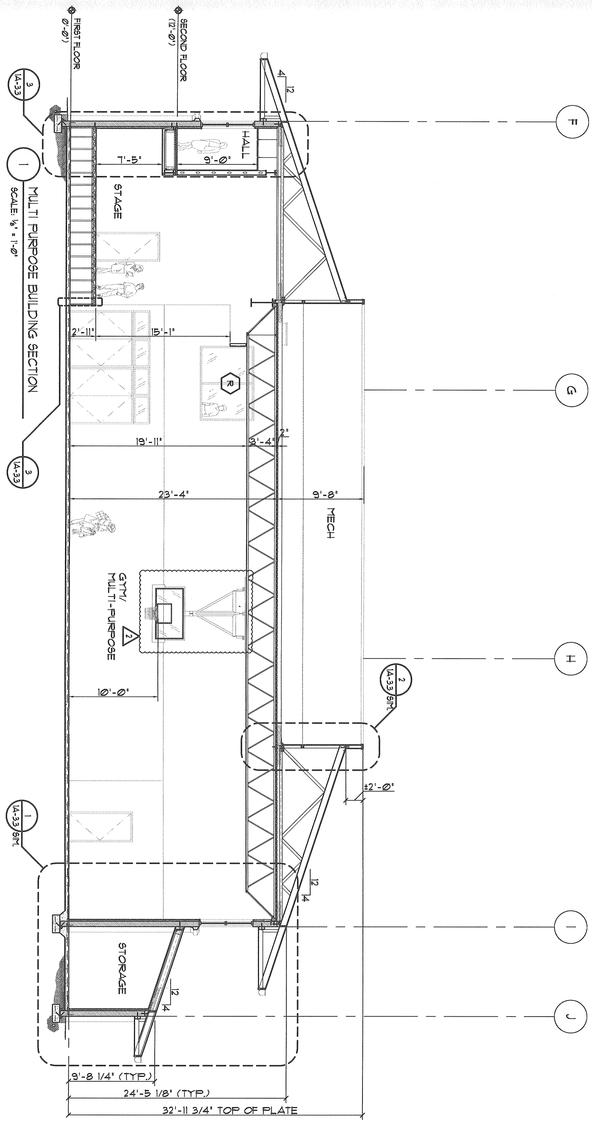

1A-3.1

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JOB NO: 03101

ISSUE DATE: 7/17/2006
REVISIONS: 1 REVISION 12/13/06
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BUILDING SECTIONS

RECEIVED
MAR 19 2007
CITY OF SAMMAMISH
REVIEWED FOR CONFORMITY WITH APPROVED PLANS AND CONDITIONS OF PERMIT/APPROVAL AS NOTED IN RED. CORRECTION AND COMMENTS MADE SHALL BE REVIEWED.

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WALL DETAIL

APPROVED TO CONSTRUCT PER CODES AS REQUIRED UNDER 15.07 SUBJECT TO INSPECTION AND CORRECTION
MAR 19 2007
CITY OF SAMMAMISH

JOB NO: 03101

EVERGREEN CHRISTIAN FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

1A-3.2

ALIGN

1

GRID

7'-0" (TYP.)

4 12

16" TJI

22 1/2" GLB

TOP OF TILT-UP-WALL (TYP.) (378'-8")

EAVES (TYP.) (378'-1")

2'-0" (TYP.)

TOP OF WINDOW (TYP.) (376'-8") ABOVE 2nd FL.

6'-0" WINDOW (TYP.)

SILL (370'-8")

24'-5 1/8" (TYP.)

SECOND FLOOR (368'-0")

23'-8" PANEL HEIGHT (TYP.)

15'-8" (TYP.)

14'-8" (TYP.)

FIRST FLOOR (356'-0")

TOP OF FOOTING (355'-0")

2 LAYERS 5/8" TYPE X GYP. BD. PER TABLE 720.1(3) 22-1.1

ASPHALT SHINGLES W/ 5/8" ROOF SHTG. W/ 16" TJI W/ R 38 INSULATION & (2) LAYERS 5/8" GWB.

SOFFIT (TYP.)

TILT-UP WALL PANEL (TYP.)

WINDOW (TYP.)

1x4 P-LAM SILL (TYP.)

TILT-UP-WALL PANEL (TYP.)

(1) LAYER 5/8" GYP. BD. ON 2" METAL CHANEL (TYP.)

2'-8" SILL

FLOOR SHEATING AND GYPCRETE TOPPING

TJI JOIST PER PLAN (TYP.)

GLB PER PLAN

1 HR RATED SUSP. CEILING (TYP.)

3 DETAIL
SCALE: 3/4" = 1'-0"

7 1/4 TILT-UP WALL PANEL W/ 2" CHANNELS @ 24" O.C. W/ R-10 RIGID INSULATION, VAPOR BARRIER & 5/8" GYP BD. (TYP.)

12'-0"

9'-0"

EXTERIOR

OFFICES

CONC. S.O.G AND REINF. (TYP.)

2'-6" SLAB DOWELS @ 16" O.C. LAP W/SLAB REINF. DRILL & EPOXY INTO TILT-UP WALL PANEL 5". (TYP.)

4" CONC. SLAB ON GRADE VAPOR BARRIER R-10 RIGID @ PERIMETER

VAPOR BARRIER (TYP.)

FINISH GRADE (TYP.)

4"

1'-6" MIN.

4" (TYP.)

R-10 RIGID INSULATION (TYP.)

CAPILLARY BREAK CONSISTING OF A MINIMUM OF 4" OF FREE-DRAINING SAND OR GRAVEL. IN ADDITION, A VAPOR BARRIER SUCH AS 6 MIL PLASTIC MEMBRANE SHOULD BE PLACED BENEATH THE SLAB. 2" OF DAMP SAND MAY BE PLACED OVER THE MEMBRANE FOR PROTECTION DURING CONSTRUCTION AND TO AID IN CURING THE CONCRETE (TYP.)

CONT. FOOTING DRAIN (TYP.)

1 WALL DETAIL
SCALE: 3/4" = 1'-0"

GRID

COPING FLASHING

1/2" PLYWOOD SHTG.

METAL FLASHING

CANT STRIP

ROOF HATCH BEYOND

BUILT UP ROOF 5/8" ROOF SHTG. 30" TJL @ 24" O.C. R-38 BATT AND (2) LAYERS 5/8" GYP BD.

TJL JOIST PER PLAN (TYP.)

MATCH LINE

±2'-0" (TYP.)

GLB PER PLAN

2 DETAIL
SCALE: 3/4" = 1'-0"

ROOF HATCH

BLOCKING AT EACH BRACKET

3'-0" (TYP.)

2'-0" (TYP.)

6'

STELL BRACKETS BOLTED TO STRUCTURE

ROOF STRUCTURE

3/4" DIA STEEL ROD (TYP.)

1'-6"

STAIR WIDTH/DEPTH

1'

VARIES (FIELD VERIFY EACH LOCATION)

1/2"X2" FLAT BAR

2 HR WALL PER PLAN

1'-0" (TYP.)

1'-0"

BEND SIDE RAILS AND BOLT TO TOP OF CONC. SLAB

TOP OF SLAB

TOP OF SLAB

ELEVATION

SECTION

5 LADDER DETAIL-STAIR
SCALE: 3/4" = 1'-0"

BUILDING ENVELOPE:
1. PROVIDE SEALING CAULKING, GASKETING WEATHERSTRIPPING TO COMPLY WITH SECTION 1314.1.
2. WEATHERSTRIP ALL GLAZING/DOORS FOR SEALING TO COMPLY WITH 1314.2.

VAPOR BARRIER NOTES:
1. ALL VAPOR BARRIERS TO BE INSTALLED ON WARM SIDE OF INSULATION.
2. ROOF VAPOR BARRIER RETARDER ALL ROOF SECTIONS SEALED. SEAMS ALL NON-WOOD STRUCTURES.

CORRIDOR

ALIGN

5'

BUILT UP ROOF 4" R-10 RIGID INSULATION VAPOR BARRIER AND 3x6 T & G DECKING (TYP.)

1'-2" (TYP.)

CAP FLASHING (TYP.)

BASE FLASHING (TYP.)

1/2" PLYWOOD SHTG. (TYP.)

BUILT-UP-ROOFING (TYP.)

4 12

16" TJI

22 1/2" GLB

R-30 BATT INSULATION (TYP.)

2 LAYERS 5/8" TYPE X GYP. BD. PER TABLE 720.1(3) 22-1.1

CANT STRIP (TYP.)

TOP OF TILT-UP-WALL (TYP.) (378'-8")

2'-0" (TYP.)

TOP OF WINDOW (TYP.) (376'-8") ABOVE 2nd FL.

6'-0" WINDOW (TYP.)

EDUCATIONAL

SILL (370'-8")

24'-5 1/8" (TYP.)

21'-4 1/4" (TYP.)

2'-8" SILL

SECOND FLOOR (368'-0")

23'-8" PANEL HEIGHT (TYP.)

15'-8" (TYP.)

14'-8" (TYP.)

12'-0"

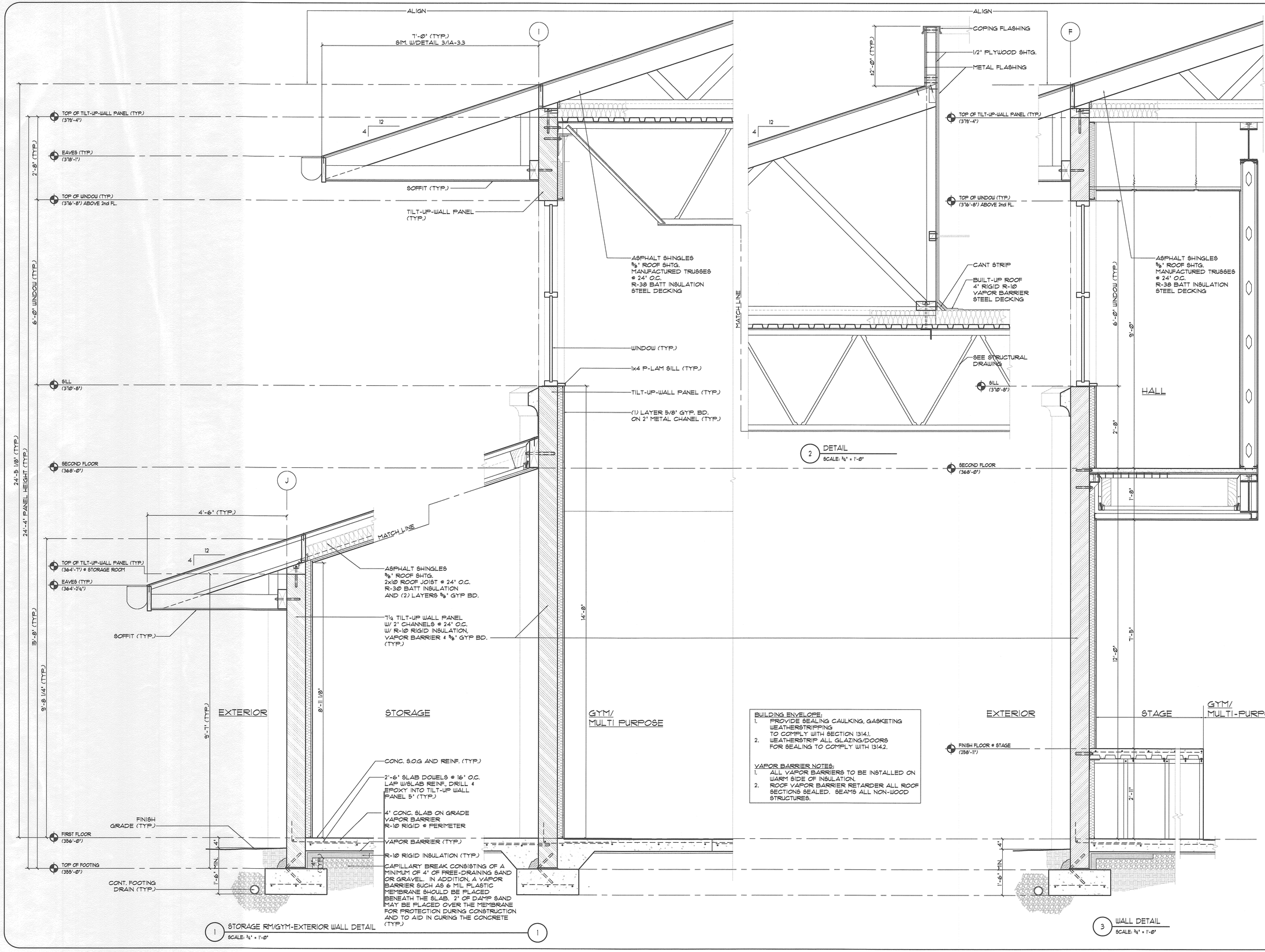
9'-0"

RECEPTION

FIRST FLOOR (356'-0")

TOP OF FOOTING (355'-0")

4 WALL DETAIL
SCALE: 3/4" = 1'-0"



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ISSUE DATE: 7/17/2006
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WALL DETAILS
NOT RELEASED FOR CONSTRUCTION
BY ROW 18.27 SUBJECT TO
FIELD INSPECTION AND CORRECTION

MAR 19 2007

CITY OF SAMMAMISH

JOB NO: 03101

EVERGREEN CHRISTIAN
FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

1A-3.3

1 WEST ELEVATION
SCALE: ⅛" = 1'-0"

2 NORTH ELEVATION
SCALE: ⅛" = 1'-0"

3 SOUTH ELEVATION
SCALE: ⅛" = 1'-0"

Rain Drain Leaders And Footing Drains Shall Be Tight Lined To An Approved Point Of Disposal & Inspected Prior to Cover.

4 EAST ELEVATION
SCALE: ⅛" = 1'-0"

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206-909-1933

ISSUE DATE: 7/17/2006
REVISIONS: 1 REVISION 12/5/06. 2 REVISION 2/28/07. 3 REVISION 3/19/07
EXTERIOR ELEVATIONS
FIELD INSPECTION AND CORRECTION
MAR 19 2007
CITY OF SAMMAMISH

JOB NO: 03101

EVERGREEN CHRISTIAN FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

IA-4.1

1 GALLERY ELEVATION LOOKING NORTH
SCALE: 1/8" = 1'-0" 2

2 GALLERY ELEVATION LOOKING SOUTH
SCALE: 1/8" = 1'-0" 1

- CONNECTION @ TILT-UP WALL PANEL DETAIL
SCALE: 3/4" = 1'-0"

4 BRIDGE DETAIL
SCALE: 3/4" = 1'-0"

3 WALL DETAIL
SCALE: 3/4" = 1'-0"

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ISSUE DATE: 7/17/2006
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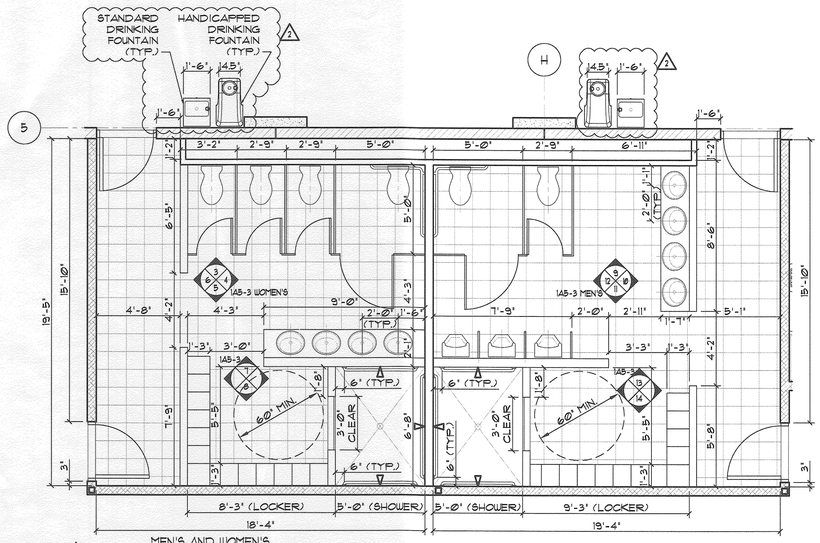
GALLERY ELEVATIONS AND DETAILS
AS-BUILT REVISED FIELD INSPECTION AND CORRECTION
MAR 19 2007

CITY OF SAMMAMISH

JOB NO: 03101

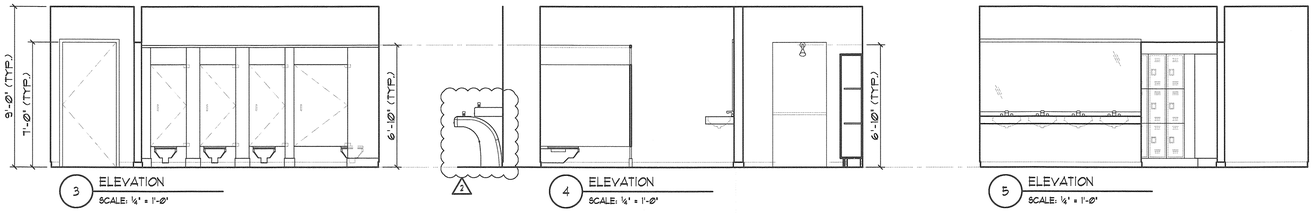
EVERGREEN CHRISTIAN FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

1A-5.1



MEN'S AND WOMEN'S RESTROOMS
SCALE: ¼" = 1'-0"

NOTES:
608.5.2 STANDARD ROLL-IN SHOWERS. IN STANDARD ROLL-IN SHOWERS, THE CONTROLS AND HAND SHOWER SHALL BE LOCATED 38 INCHES (965 MM) MINIMUM AND 48 INCHES (1220 MM) MAXIMUM ABOVE THE SHOWER FLOOR 608.6 HAND SHOWERS. A HAND SHOWER WITH A HOSE 59 INCHES (1500 MM) MINIMUM IN LENGTH, THAT CAN BE USED BOTH AS A FIXED SHOWER HEAD AND AS A HAND SHOWER, SHALL BE PROVIDED. THE HAND SHOWER SHALL HAVE A CONTROL WITH A NON-POSITIVE SHUT-OFF FEATURE. AN ADJUSTABLE HEIGHT SHOWER HEAD MOUNTED ON A VERTICAL BAR SHALL BE INSTALLED SO AS TO NOT OBSTRUCT THE USE OF GRAB BARS.
309.4 OPERATION. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5.0 POUNDS (22.2 N) MAXIMUM.



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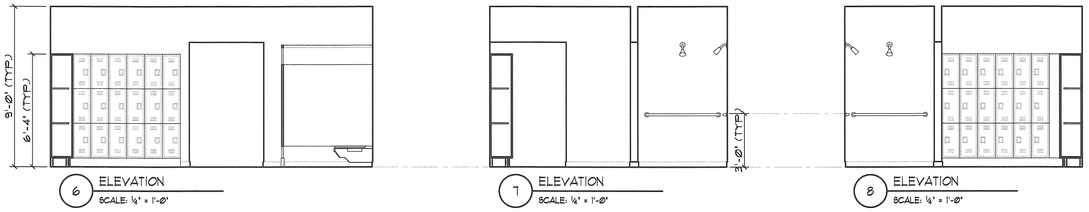
4 ELEVATION — SCALE: ¼" = 1'-0"
5 ELEVATION — SCALE: ¼" = 1'-0"



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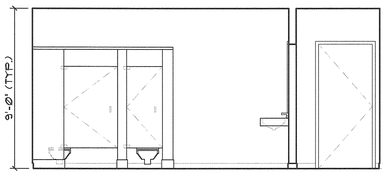
7 ELEVATION — SCALE: ¼" = 1'-0"
8 ELEVATION — SCALE: ¼" = 1'-0"



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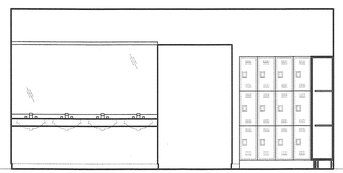

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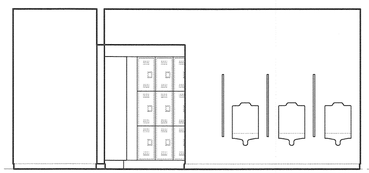

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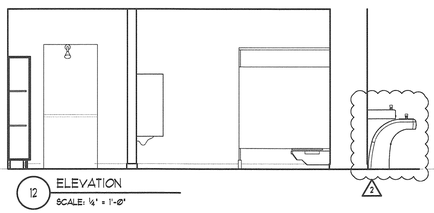

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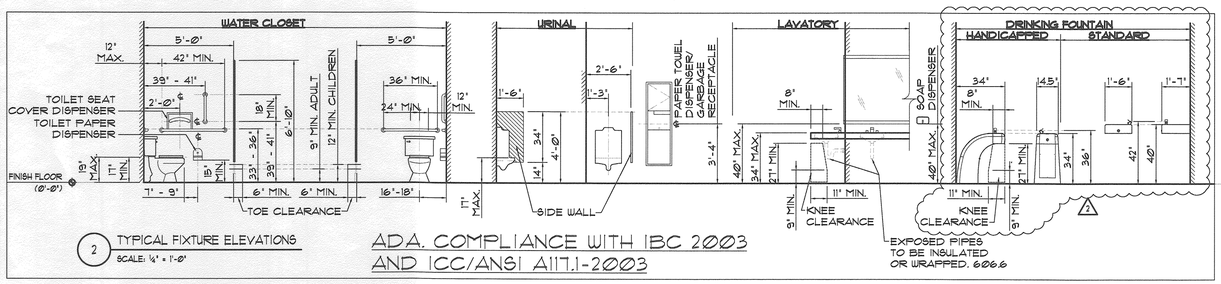
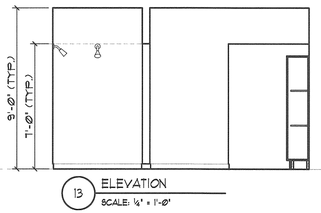


2 TYPICAL FIXTURE ELEVATIONS — SCALE: ¼" = 1'-0"

ADA. COMPLIANCE WITH IBC 2003 AND ICC/ANSI A117.1-2003



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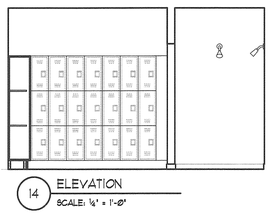

14 ELEVATION — SCALE: ¼" = 1'-0"

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REST ROOMS
FLOOR PLANS AND ELEVATIONS

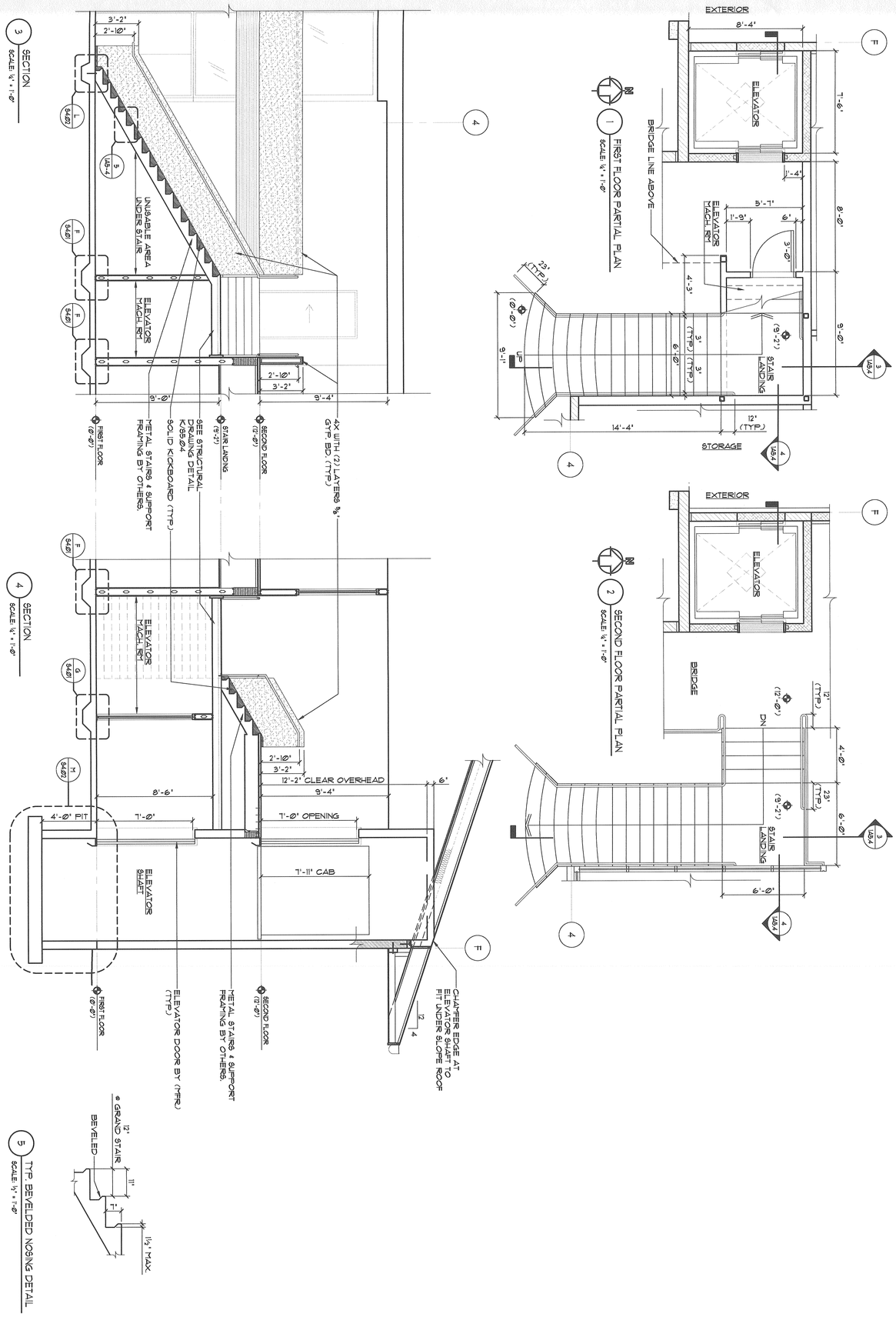
MAR 19 2007

CITY OF SAMMAMISH

JOB NO: 03101

EVERGREEN CHRISTIAN FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

1A-5.3



CITY OF SAMMAMISH
APPROVED TO CONTRACT DOCUMENTS ONLY
SUBJECT TO CORRECTIONS IN FIELD INSPECTION AND CONDITIONS
MAR 19 2007

1A-5.4

EVERGREEN CHRISTIAN FELLOWSHIP

120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

JOB NO: 03101

ISSUE DATE: 7/17/2006
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VERTICAL CIRCULATION STAIR + ELEVATOR PLANS, SECTIONS AND DETAILS

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1719 REGISTERED ARCHITECT
CARL E. EASTERS
STATE OF WASHINGTON

GENERAL NOTES:

THE FOLLOWING NOTES APPLY UNLESS SHOWN OTHERWISE:

CODE:
INTERNATIONAL BUILDING CODE (IBC), 2003 EDITION
LIVE LOAD:
ROOF: 25 PSF (SNOW) (Is=1.1) 1
FLOOR: 50 PSF (LIVE LOAD REDUCTION: 40% WHERE APPLICABLE)
100 PSF (ASSEMBLY AREA)
125 PSF (STAGE AREA)
BRIDGE: 100 PSF 1
LATERAL LOADS:
WIND: Vasd =90 MPH, EXP B, Iw= 1.15
SEISMIC: (Sds= 1.289, S1= 0.630, Sds= 0.866, Sd1= 0.720, Ie= 1.25)
BASIC SEISMIC FORCE RESISTING SYSTEM: SPECIAL PRECAST CONCRETE SHEAR WALLS, R= 5.0
MAPS USED: ASCE 7-02 MCE, BASED ON LATITUDE & LONGITUDE
SEISMIC USE GROUP III 1
SEISMIC DESIGN CATEGORY D
OTHER LOADS:
PARTITION: 20 PSF

GENERAL:
ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE AND STANDARDS, 2003 EDITION, DRAWINGS, AND SPECIFICATIONS. THE DRAWINGS AND DESIGN ARE BASED ON A COMPLETED CONDITION. ANY TEMPORARY BRACING AND SHORING REQUIRED UNTIL ALL STRUCTURAL CONNECTIONS HAVE BEEN COMPLETED, IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED, BUT ARE OF A SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO APPROVAL BY THE ARCHITECT & STRUCTURAL ENGINEER. WHERE INFORMATION ON THE DRAWINGS IS IN CONFLICT WITH THE SPECIFICATIONS, THE MOST STRINGENT SHALL APPLY. DO NOT SCALE THE DRAWINGS.

CONTRACTOR'S NOTES:
CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, AND SEQUENCES OF PROCEDURES REQUIRED TO PERFORM THE WORK. IF ANY ERROR OR OMISSION APPEARS IN THESE DRAWINGS, SPECIFICATIONS, OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF SUCH OMISSION OR ERROR BEFORE PROCEEDING WITH THE WORK, OR ACCEPT FULL RESPONSIBILITY FOR THE COST TO RECTIFY SAME. VERIFY AND COORDINATE OPENINGS IN FLOORS, WALLS AND ROOF WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. THE ENGINEER HAS NOT BEEN RETAINED TO PROVIDE DESIGN AND/OR CONSTRUCTION REVIEW SERVICES RELATED TO THE CONTRACTOR'S SAFETY PRECAUTIONS OR TO MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES FOR THE CONTRACTOR TO PERFORM THEIR WORK. REFER TO ARCHITECTURAL DRAWINGS FOR OTHER WALLS, FINISHES AND DIMENSIONS.

SHOP DRAWINGS:
SHOP DRAWINGS FOR:
REINFORCING STEEL, STRUCTURAL STEEL, PREFABRICATED TRUSSES, AND GLUED LAMINATED MEMBERS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER, AND ARCHITECT FOR REVIEW OF DESIGN INTENT, PRIOR TO FABRICATION OF THESE ITEMS. SUBMITTAL SHALL INCLUDE A MAXIMUM OF ONE REPRODUCIBLE SET AND ONE SET OF COPIES (TO BE RETAINED BY ENGINEER) FOR REVIEW. TWO WEEKS SHALL BE ALLOWED FOR REVIEW.

FOUNDATION LOADS:
PER SOIL REPORT #E-7398-3 FILED BY EARTH CONSULTANTS, INC. DATED 02/27/04:
SOIL BEARING PRESSURE: 3000 PSF
SOIL FRICTION COEFFICIENT: 0.35
EQUIVALENT ACTIVE YIELDING FLUID PRESSURE: 35 PCF
EQUIVALENT ACTIVE RESTRAINED FLUID PRESSURE: 50 PCF
PASSIVE EARTH PRESSURE: 350 PCF
SITE CLASS: D
ABOVE ARE ASSUMED PER DATA PROVIDED – CONTRACTOR MUST VERIFY SOIL CONDITIONS IN FIELD BEFORE STARTING WORK. THE CONTRACTOR SHALL ALSO READ THE SOILS REPORT BEFORE STARTING WORK AND SHALL BE AWARE OF ALL THE RECOMMENDATIONS LISTED IN THE REPORT.

FOOTINGS:
ALL FOOTINGS MUST REST ON UNDISTURBED ORIGINAL EARTH OR COMPACTED STRUCTURAL FILL AS PER SOIL REPORT RECOMMENDATIONS. FOOTING SIZES SHOWN ON DETAILS ARE MINIMUM DIMENSIONS.

REINFORCED CONCRETE:
CONCRETE SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:
MINIMUM 28-DAY STRENGTH (f'c):
TILT-UP WALL: f'c = 4,500 psi 1
ALL OTHER STRUCTURAL CONCRETE: f'c = 3,000 psi
INTERIOR SLAB ON GRADE: f'c = 2,500 psi

AIR ENTRAINMENT 5%-7% FOR EXTERIOR CAST-IN-PLACE WALLS & EXTERIOR SLABS ON GRADE, CONCRETE SLUMP TO BE 4" MAX PRIOR TO ADDITION OF ADMIXTURES AND 8" MAX SLUMP AFTER ADDITION. CALCIUM CHLORIDE MAY NOT BE USED. MAXIMUM NOMINAL AGGREGATE SIZE SHALL BE LIMITED TO 3/4", U.N.O. OR AS APPROVED BY THE ENGINEER. SUBMIT MIX DESIGN FOR REVIEW AND PROVIDE NOT LESS THAN 5 1/2 SACKS OF CEMENT PER CUBIC YARD FOR ALL CONCRETE AND A MAXIMUM W/C =0.47. INTERIOR SLAB ON GRADE SHALL HAVE A MAXIMUM W/C =0.45. FLYASH MAY BE USED TO REPLACE UP TO A MAXIMUM OF 15% OF CEMENT BY WEIGHT.

CONCRETE PROTECTION:
MINIMUM CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS (U.N.O.):
FOOTINGS AND OTHER UNFORMED SURFACES, EARTH FACE: 3"
FORMED SURFACES IN DIRECT CONTACT WITH EARTH: 2"
BEAMS, COLUMNS, AND SURFACES EXPOSED TO WEATHER: 1 1/2"
SLABS AND WALLS (INTERIOR FACE): 3/4"

BASEPLATE GROUT:
BASEPLATE GROUT SHALL BE NON-SHRINK, NON-METALLIC, HIGH-STRENGTH GROUT CONFORMING TO ASTM C-1107.

REINFORCING STEEL:
REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 AND SHALL BE DETAILED (INCLUDING HOOKS AND BENDS) IN ACCORDANCE WITH ACI 315 AND 318 (LATEST EDITION). LAP ALL CONTINUOUS REINFORCEMENT 40 BAR DIAMETERS OR 2'-0" MINIMUM. PROVIDE CORNER BARS AT ALL WALL INTERSECTIONS. LAP CORNER BARS 40 BAR DIAMETERS OR 2'-0" MIN. PROVIDE (2) #5 MIN. U.N.O. TRIM BARS AROUND ALL OPENINGS IN CONCRETE WALLS OR SLABS EXTENDING 2'-0" PAST CORNERS, TYPICAL. NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY SO DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.

AT TIME OF CONCRETE PLACEMENT, REINFORCING SHALL BE FREE OF ANY MUD, OIL, GREASE, ETC. THAT MAY DECREASE BOND.

STRUCTURAL STEEL:
TUBE COLUMNS SHALL CONFORM TO ASTM A500 GRADE B (Fy=46,000 psi). PIPE COLUMNS SHALL CONFORM TO ASTM A53 GRADE B (Fy=35,000 psi). ALL "W" AND "H" SHAPES SHALL BE ASTM A992, (Fy=50,000 psi). ALL OTHER STEEL SHALL CONFORM TO ASTM A36. ALL STAINLESS STEEL TO BE 316L (Fy=30,000 psi). ALL BOLTS TO BE ASTM A325 U.N.O. AND ALL ANCHOR BOLTS ASTM A36, U.N.O. ALL ANCHOR BOLTS MUST BE ACCURATELY PLACED IN THEIR FINAL LOCATION PRIOR TO POURING CONCRETE, "WET STICKING" OF ANCHOR BOLTS IS NOT ALLOWED.

APPLY ONE COAT OF APPROVED SHOP PAINT TO ALL STEEL NOT EMBEDDED IN CONCRETE, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC (ASD) SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.

ALL WELDING SHALL MEET AWS/WABO CODES FOR ARC WELDING IN BUILDING CONSTRUCTION. ALL WELDS SHALL BE 3/16" MINIMUM OR PER SECTION J.2b OF AISC (WHICHEVER IS LARGER) U.N.O. USE E70 ELECTRODES FOR FIELD WELDS OF OTHER COMPONENTS NOT ASSOCIATED WITH THE LATERAL RESISTING SYSTEM. ALL WELDING OF STAINLESS STEEL SHALL USE E309 ELECTRODES WITH A GMAC PROCESS. ALL WELDING SHALL BE PERFORMED BY WELDERS WITH AWS/WABO CERTIFICATION WITH THE MATERIAL AND METHOD REQUIRED.

EPOXY EMBEDMENTS:
ALL EPOXY EMBEDDED ITEMS CALLED OUT ON PLAN SHALL BE HILTI HY-150 OR APPROVED EQUAL U.N.O. ALL EMBEDDED ITEMS SHALL BE INSTALLED PER THE EPOXY MANUFACTURER'S RECOMMENDATIONS AND ICBO REPORT #ER-5193.

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POWDER ACTUATED FASTENERS:
ALL POWDER ACTUATED FASTENERS (PAF) CALLED OUT ON PLAN SHALL BE HILTI X-DNI 0.145" DIA. OR APPROVED EQUAL U.N.O. (EXCEPT PAF INSTALLED IN STEEL SHALL BE HILTI X-EDNI 0.145" DIA.) ALL POWDER ACTUATED FASTENERS SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS AND ICBO REPORT #2388. WHEN EMBEDDED INTO CONCRETE, THE MINIMUM PENETRATION IS 1-1/4", WITH MIN. SPACING BETWEEN PAF OF 4" AND MIN. EDGE DISTANCE OF 3" U.N.O. ON PLANS. WHEN EMBEDDED INTO STEEL, THE PIN SHALL BE DRIVEN TO A DEPTH SUCH THAT THE SHANK PIERCES THE STEEL (EXCEPT WHERE ALLOWED OTHERWISE BY ICBO ER #2388), WITH MIN. SPACING BETWEEN PAF OF 1-1/2" AND MIN. EDGE DISTANCE OF 1/2" U.N.O. ON PLANS. WHEN PAF ARE USED WITH WOOD MEMBERS WASHERS ARE REQUIRED.

GLUE LAMINATED TIMBER:
ALL GLU-LAM TIMBER SHALL BE DOUGLAS FIR COMBINATION 24F-V4 FOR SIMPLE SPANS AND 24F-V8 FOR CANTILEVER AND CONTINUOUS SPANS (Fb=2,400 psi TENSION, TYP.). FABRICATION AND ERECTION TO BE IN ACCORDANCE WITH AITC 117-MOST RECENT EDITION. PROVIDE WET-USE ADHESIVES. MOISTURE CONTENT SHALL BE 16% MAXIMUM. WOOD BEARING OR INSTALLED WITHIN 1" OF CONCRETE SHALL BE TREATED WITH AN APPROVED PRESERVATIVE. CAMBER ALL GLB'S TO 3,500 FT. RADIUS UNLESS SHOWN OTHERWISE ON THE PLANS. ALL NAILS IN TREATED TIMBER SHALL BE GALVANIZED.

ROOF SHEATHING:
ROOF SHEATHING SHALL BE MINIMUM 19/32" APA RATED PLYWOOD SHEATHING (32/16 MIN.), EXPOSURE 1. INSTALL PANELS WITH 1/4" SPACING AT END JOINTS AND 1/8" SPACING AT EDGE JOINTS MINIMUM. NAILING SHALL BE 10d COMMON (0.148" DIA. WITH 1 3/4" MIN. EMBEDMENT INTO SUBSTRATE) AT 6" O.C. AT SUPPORTED PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS U.N.O. ON DRAWINGS. INSTALL PLYWOOD SHEATHING WITH FACE GRAIN PERPENDICULAR TO SUPPORTS.

FLOOR SHEATHING:
FLOOR SHEATHING SHALL BE MINIMUM 23/32" APA RATED T&G STURD-I-FLOOR PLYWOOD SHEATHING (48/24 MIN.). EXPOSURE DURABILITY CLASSIFICATION SHALL BE "EXTERIOR" FOR ALL DECKS, EXPOSED WALK-WAYS, ETC; AND "EXPOSURE 1" FOR INTERIOR USE. INSTALL WITH 1/8" MINIMUM SPACING BETWEEN EDGE AND END JOINTS. GLUE AND NAIL TO ALL SUPPORTS AND BLOCKING. NAILING SHALL BE 10d COMMON (0.148" DIA. WITH 1 3/4" MIN. EMBEDMENT INTO SUBSTRATE) AT 6" O.C. AT SUPPORTED PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS U.N.O. ON DRAWINGS. INSTALL PLYWOOD SHEATHING WITH FACE GRAIN PERPENDICULAR TO SUPPORTS.

SAWN STRUCTURAL LUMBER:
ALL STRUCTURAL LUMBER SHALL BE AS FOLLOWS: JOISTS H.F. #2, BEAMS H.F. #2, POSTS H.F. #1, AND STUDS H.F. #2 OR BETTER. ALL DIMENSIONS NOTED ARE NOMINAL. WOOD BEARING ON OR WITHIN 1" OF CONCRETE OR CMU OR WITHIN 6" OF EARTH SHALL BE TREATED WITH AN APPROVED PRESERVATIVE. PROVIDE MILD STEEL PLATE WASHERS AT ALL BOLT HEADS AND NUTS BEARING ON WOOD EXCEPT PROVIDE CUT WASHERS AT SILL PLATES. MINIMUM NAILING SHALL BE IN ACCORDANCE WITH TABLE 2304.9.1 OF THE IBC U.N.O.. ALL NAILS ARE TO BE "COMMON" (10d NAIL DIAMETER TO BE 0.148", 16d DIAMETER TO BE 0.162"). ALL NAILS IN TREATED TIMBER SHALL BE GALVANIZED. ALL FRAMING CONNECTORS NOTED ARE PER SIMPSON STRONG TIE COMPANY INC. OR ENGINEER APPROVED EQUAL. SEE THE MANUFACTURER'S REQUIREMENTS. ALL METAL HARDWARE IN CONTACT WITH TREATED LUMBER SHALL BE PROTECTED WITH A G185 GALVANIZED COATING (ZMAX) OR BETTER.

SHEAR WALL NOTES:
-- BLOCK SHEATHING EDGES AT SHEAR WALLS WHERE SHOWN ON SCHEDULE.
-- USE MINIMUM OF TWO STUDS AT THE END OF SHEAR WALLS.
-- ALL SHEATHING EDGES SHALL BE STAGGERED AT STUDS.
-- DASHED LINE NEXT TO WALL LINES OF FLOOR AND ROOF PLANS INDICATES EXTENT OF SHEAR WALL.
-- TRIANGLE ENCLOSING LETTER ADJACENT TO SHEAR WALL ON PLANS INDICATES TYPE OF SHEAR WALL.
-- PROVIDE HOLD-DOWNS AT END OF SHEAR WALLS WHERE SHOWN ON PLANS.
-- ALL SHEAR WALLS SHOWN ON THE PLANS ARE WALLS BELOW THAT FRAMING PLAN.
-- SEE SIMPSONS' CATALOG FOR THE REQUIREMENTS AND DETAILS OF EACH TYPE OF HOLD-DOWN AND MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

TREATED LUMBER:
SHALL BE BRANDED WITH A QUALITY CONTROL AGENCY MARK BY AMERICAN WOOD PRESERVERS BUREAU OR EQUAL. PRESERVATIVE SHALL BE CCA, ACQ, CA-B OR CBA. ALL METAL HARDWARE IN CONTACT WITH TREATED LUMBER SHALL BE PROTECTED WITH A G185 GALVANIZED COATING (ZMAX) OR BETTER.

WALL PLYWOOD NAILING:
NAIL 15/32" EXTERIOR WALL APA RATED SHEATHING (24/16 MIN.) W/ 10d COMMON (0.148" DIA. WITH 1 3/4" MIN. EMBEDMENT INTO SUBSTRATE) PER SHEAR WALL SCHEDULE. MINIMUM NAILING WHEN NOT SPECIFIED SHALL BE 10d @ 6" O.C. AT ALL BLOCKED PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS (IN FIELD), EDGE BLOCKING IS REQUIRED AT SHEAR WALLS ONLY, U.N.O.

PREFABRICATED WOOD TRUSSES:
ROOF AND FLOOR TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER FOR THE SPANS AND CONDITIONS SHOWN ON THE DRAWINGS AND THE LOADS LISTED BELOW.

ROOF AREA TOP CHORD LIVE LOAD:	25 PSF
ROOF AREA TOP CHORD DEAD LOAD:	15 PSF
ROOF AREA BOTTOM CHORD DEAD LOAD:	5 PSF
ROOF AREA BOTTOM CHORD LIVE LOAD:	10 PSF (NOT APPLIED CONCURRENTLY W/ TOP CHORD LIVE LOAD)
ROOF TOTAL DEAD AND LIVE LOAD:	45 PSF
ALLOWABLE BEARING PRESSURE AT WALL TOP PLATE:	405 PSI
FLOOR AREA TOP CHORD LIVE LOAD:	100 PSF
FLOOR AREA TOP CHORD DEAD LOAD:	30 PSF
FLOOR AREA BOTTOM CHORD DEAD LOAD:	5 PSF
FLOOR TOTAL DEAD AND LIVE LOAD:	135 PSF

ADDITIONAL LIVE LOAD: SNOW LOAD DUE TO DRIFTING AND UNBALANCED LOADS SHALL BE INCLUDED PER THE 2003 IBC. PROVIDE CONNECTION DETAILS FOR ALL TRUSS-TO-TRUSS CONNECTIONS IF REQUIRED. PROVIDE ALL WEB AND CHORD BRACING REQUIRED BY THE TRUSS FABRICATOR. TOP CHORDS SHALL BE DF LUMBER. PROVIDE ADEQUATE PLIES AND/OR METAL BRACKETS TO ADEQUATELY DISTRIBUTE THE BEARING PRESSURE AT THE ENDS OF THE GIRDER TRUSSES TO THE TOP PLATES OF THE BEARING WALLS SUCH THAT THE BEARING PRESSURE DOES NOT EXCEED 405 PSI. PROVIDE ADDITIONAL TRUSSES AS REQUIRED BY FABRICATOR TO CARRY ALL CONCENTRATED LOADS AND MECHANICAL UNITS.

SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS (AS A DEFERRED SUBMITTAL) TO THE ARCHITECT, ENGINEER AND THE LOCAL BUILDING DEPARTMENT FOR APPROVAL PRIOR TO FABRICATION. ALL SUBMITTALS SHALL BEAR THE STAMP OF A REGISTERED STRUCTURAL WASHINGTON STATE PROFESSIONAL ENGINEER. THE TRUSSES WILL BE REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT. THIS REVIEW WILL NOT COVER INTERNAL FORCES OR CONNECTIONS WITHIN THE TRUSS – ONLY THE MANUFACTURER CAN DETERMINE THE ADEQUACY OF THESE PORTIONS OF THE TRUSS. 1

PROPRIETARY PRODUCTS:
JOIST TYPES AND SIZES NOTED AS MANUFACTURED BY TRUS JOIST CORPORATION. JOISTS TO HAVE LOAD CARRYING CAPACITY IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED LOAD TABLES. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBMIT SHOP DRAWINGS OR LAYOUT AND REQUIRED CONNECTION DETAILS FOR REVIEW FOR DESIGN INTENT BY THE ENGINEER PRIOR TO FABRICATION.

STEEL ROOF JOISTS:
STEEL JOISTS SHALL BE OPEN WEB TYPE AND SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS AND JOIST GIRDERS" OF THE STEEL JOIST INSTITUTE (SJI) AND IBC SECTION 2206. THE MANUFACTURER OF THE OPEN WEB STEEL JOISTS SHALL BE MEMBERS OF THE "SJI" AND SHALL FURNISH TO THE BUILDING OFFICIAL A CERTIFICATE INDICATING COMPLIANCE WITH IBC SECTION 2206, AND WHICH ALSO IDENTIFIES THE JOISTS DELIVERED FOR THIS SPECIFIC PROJECT. SUCH CERTIFICATE OF COMPLIANCE SHALL BE FURNISHED BEFORE INSTALLATION. PROVIDE SLOPED BEARING SHOES AS REQUIRED. ROOF JOISTS SHALL BE DESIGNED FOR A MINIMUM NET UPLIFT LOAD OF 15 PSF DUE TO WIND UNLESS NOTED OTHERWISE ON THE PLANS.

"K" SERIES JOISTS SHALL BE FIELD WELDED TO SUPPORTS WITH 1 1/4" OF 1/8" FILLET EACH SIDE. COORDINATE LOCATION OF MECHANICAL & ELECTRICAL EQUIPMENT AND INCLUDE THESE LOADS IN DESIGN OF JOISTS. ADDITIONAL MEMBERS MAY BE PROVIDED TO CARRY MECHANICAL/ELECTRICAL LOADS IF APPROVAL IS FIRST OBTAINED FROM ENGINEER & ARCHITECT. SUBMIT DESIGN CALCULATIONS FOR "K" AND "LH" SERIES JOISTS TO ENGINEER FOR REVIEW OF DESIGN INTENT PRIOR TO FABRICATION. CALCULATIONS SHALL BEAR THE SEAL OF A STATE OF WASHINGTON LICENSED PROFESSIONAL ENGINEER. TRUSS BRIDGING SHALL BE PER MANUFACTURER SPECIFICATIONS BUT SHALL NOT BE LESS THAN THE FOLLOWING: "LH" JOISTS SHALL HAVE 1 1/4"x1 1/4"x1/8" BRIDGING ANGLE AT MAXIMUM OF 11 FT. O.C. BRIDGING ANGLES SHALL BE BOLTED (NOT WELDED) TO JOISTS AND END CONNECTIONS USING 3/8" DIA. BOLTS. JOIST BOTTOM CHORD EXTENSIONS AND TOP CHORD ERECTION BOLT HOLES SHALL BE PROVIDED AT ALL COLUMNS AND AT CAT-WALK SUPORT IN GYM BUILDING TO MEET OSHA REQUIREMENTS.

ROOF AND FLOOR METAL DECK:
ROOF AND FLOOR DECK SHALL BE 1 1/2" DEEP – 20 GAUGE TYPE "B" DECK U.N.O. ON PLANS WITH MIN. PROPERTIES AS SHOWN ON DRAWINGS. ALL DECKS TO BE CONTINUED OVER AT LEAST THREE SPANS UNLESS OTHERWISE SO INDICATED ON THE DRAWINGS. ATTACH DECK TO ALL SUPPORTS AS PER THE FOLLOWING NOTES U.N.O. ON DRAWINGS. USE E60 SERIES ELECTRODES FOR DECK WELDING. CAT-WALK DECK TO HAVE 2 1/2" OF CONCRETE TOPPING WITH 6x6 W1.4 x W1.4 WWF U.N.O. ON DRAWINGS.

ROOF DECK WELDING:
PROVIDE THE FOLLOWING WELDING FOR 1 1/2" DEEP 20 GAUGE x 36" WIDE DECK. PROVIDE (4)1/2" DIA. PUDDLE WELDS PER 36" WIDTH OF DECK OVER EACH SUPPORT. PROVIDE 1 1/2" LONG TOP SEAM WELDS @ 18" O.C. PROVIDE 1/2" DIA. MARGINAL PUDDLE WELDS @ 24" O.C.

STEEL STUDS AND JOISTS:
DEPTH, GAUGE, AND SECTION PROPERTIES OF STEEL STUDS AND JOISTS SHALL MEET OR EXCEED THOSE OF THE SECTIONS SPECIFIED. ALL STEEL STUDS AND JOISTS SHALL HAVE G-60 GALVANIZED COATING PER ASTM A653 SPECIFICATION AS A MINIMUM. ALL SECTIONS SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE FOLLOWING REQUIREMENTS. ALL STEEL STUDS & JOISTS SPECIFIED ARE FROM THE STEEL STUD MANUFACTURERS ASSOCIATION, LATEST EDITION.

FOR 97, 68 & 54 MIL. THICKNESS (GAGES 12, 14 & 16), STEEL SHALL BE ASTM A-466 GRADE D, WITH MIN YIELD STRESS 50 KSI. FOR 43, 33 & 27 MIL. THICKNESS (GAGES 18, 20 & 22), STEEL SHALL BE ASTM A-446 GRADE A WITH MIN YIELD STRESS OF 33 KSI. ALL TRACKS, BRIDGING, STRAPS ETC. ARE TO BE FORMED FROM STEEL OF THE SAME THICKNESS AS THE STUDS OR JOISTS TO WHICH THEY ARE ATTACHED, UNLESS NOTED OTHERWISE. USE NUMBER 8-18 (MINIMUM) HEX OR WAFERHEAD SELF DRILLING SCREWS OF SUFFICIENT LENGTH TO FULLY PENETRATE ALL MEMBERS BEING ATTACHED. DO NOT USE BUGLE HEAD SCREWS FOR METAL TO METAL CONNECTIONS.

ALL STEEL STUDS AND JOISTS ARE SPECIFIED WITH A FOUR PART IDENTIFICATION CODE THAT IDENTIFIES THE SIZE, STYLE AND STEEL THICKNESS OF EACH MEMBER. A MEMBER NOTED AS "600S162-54" HAS THE FOLLOWING PROPERTIES:
-- "600" – MEMBER DEPTH IN 1/100 INCH (6")
-- "S" – STYLE OF MEMBER (S = STUD/JOIST, T = TRACK, U = CHANNEL, F = FURRING CHANNEL)
-- "162" – MEMBER FLANGE WIDTH IN 1/100 INCH (1.625" = 1-5/8")
-- "54" – MINIMUM STEEL THICKNESS IN MILS (54 MILS. = 0.054", OLD DESIGNATION OF 16 GA.)

ALL FRAMING COMPONENTS SHALL BE CUT SQUARE FOR ATTACHMENT TO PERPENDICULAR MEMBERS. STUDS SHALL BE INSTALLED IN A MANNER THAT WILL ASSURE THAT ENDS OF THE STUDS ARE POSITIONED AGAINST THE INSIDE TRACK WEB PRIOR TO STUD AND TRACK ATTACHMENT. PROVIDE WALL BRIDGING PER MANUFACTURER'S SPECIFICATIONS AND AS SHOWN IN DRAWINGS. JOISTS SHALL BE LOCATED DIRECTLY OVER BEARING STUDS. NO SPLICES ARE PERMITTED IN STUDS.

1

TILT-UP WALL PANEL NOTES:
-- THESE APPLY UNLESS SHOWN OTHERWISE ON THE PANEL ELEVATIONS.
PANEL IDENTIFICATION NUMBERS ARE SHOWN THUS: [12] (BOXED IN) SEE PLANS AND ELEVATIONS FOR PANEL LOCATIONS.
ALL PANELS ARE VIEWED FROM THE OUTSIDE UNLESS NOTED OTHERWISE.
-- THE PANEL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CUT-OUTS, SLEEVES, EMBEDS OR BLOCKOUTS REQUIRED BY THE PLUMBING, HEATING AND ELECTRICAL CONTRACTORS AND OTHER ARCHITECTURAL DETAILS.
-- ALL PANELS SHALL HAVE A 3/4" CHAMFER ON ALL EDGES EXCEPT THE BOTTOM EDGE UNLESS SHOWN OTHERWISE ON THE ARCHITECTURAL DRAWINGS.
-- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PANEL DIMENSIONS AS WELL AS THE LOCATION OF ALL EMBEDS ITEMS PRIOR TO CASTING OF CONCRETE.
-- PANEL STRESSES ARE TO BE CHECKED BY THE ERECTION CONTRACTOR WHO SHALL PROVIDE ANY ADDITIONAL REINFORCING STEEL AS REQUIRED FOR HANDLING AND ERECTION. STRONG BACKS AND DIAGONAL BURN-OUT BARS MAY BE REQUIRED AT LARGE OPENINGS. THE TYPICAL PANEL REINFORCING IS THE MINIMUM REQUIRED. THE TYPICAL PANEL REINFORCING WILL NOT PREVENT THE PANEL FROM CRACKING IF THE SLAB BOND BREAKER DOES NOT WORK OR IF SUCTION FORCES FROM WATER ON THE SLAB-PANEL CASTING SURFACE ARE PRESENT AT THE TIME PANEL IS LIFTED.
-- OVERALL PANEL THICKNESS ARE SHOWN ON THE ELEVATIONS.
-- TYPICAL PANEL REINFORCING IS SHOWN ON PANEL ELEVATIONS. THE VERTICAL BARS SHALL BE AT THE CENTER OF THE THICKNESS OF THE PANEL BETWEEN THE BACK OF THE PANEL AND THE OUTSIDE FACE OF THE PANEL UNLESS OTHERWISE SHOWN FOR 7 1/4" THICK PANEL.
-- THE ARCHITECTURAL SHEETS SHOW THE LOCATIONS OF REVEALS, NOTCHES, ADDITIONAL CHAMFERS, SURFACE TEXTURE TREATMENTS & OTHER FINISH DETAILS. NOT ALL FINISH DETAILS ARE SHOWN ON THE STRUCTURAL PANEL SHEETS. MAXIMUM DEPTH OF REVEAL STRIPS TO BE 1/2" AT OUTSIDE FACE ONLY.
-- SEE THE FOUNDATION PLANS, FLOOR PLANS, ROOF PLANS AND OTHER DETAILS FOR EMBEDS PLATES NOT REFERENCED ON THE PANEL ELEVATIONS. ALL OF THE EMBEDS REQUIRED FOR A PANEL MAY NOT BE SHOWN ON THE STRUCTURAL PANEL SHEETS ALONE.
-- ALL DIMENSIONS AT PANEL JOINTS ARE TO THE CENTER LINE OF THE JOINT.
-- ALL JOINTS BETWEEN PANELS ARE 1/2" WIDE UNLESS NOTED OTHERWISE. TYPICAL PANEL.
-- PROVIDE MINIMUM OF (1) #5x4'-0" DIAGONAL BARS AT EACH CORNER OF PANEL OPENING.
-- PROVIDE MINIMUM OF (2) #5 HORIZ. AT TOP AND BOTTOM OF OPENINGS, EXTENDED 2 FEET BEYOND EDGE OF OPENINGS.
-- PROVIDE 180 DEGREE HOOK FOR ALL HORIZONTAL AND VERTICAL BARS CUT AT OPENING.
-- PANELS WITH OPENING INDICATE ONLY THE ADDITIONAL STEEL REQUIRED FOR OPENINGS. ALL OTHER TYPICAL PANEL REINFORCEMENT IS NOT SHOWN FOR CLARITY BUT SHALL BE ADDED.

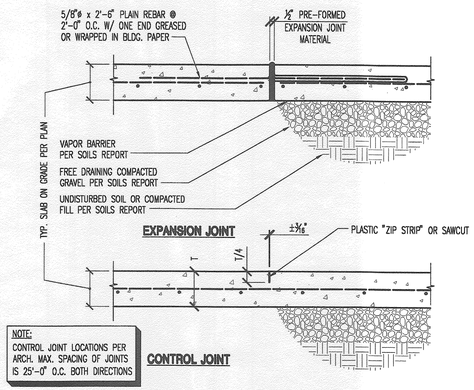
SPECIAL INSPECTIONS:
SPECIAL INSPECTIONS SHALL MEET THE REQUIREMENTS OF IBC CHAPTER 17.

INSPECTION NOTES:
-- THE CONSTRUCTION INSPECTIONS LISTED ARE IN ADDITION TO THE INSPECTIONS REQUIRED BY SECTION 109 OF THE INTERNATIONAL BUILDING CODE. SPECIAL INSPECTION IS NOT A SUBSTITUTE FOR INSPECTION BY A CITY INSPECTOR. SPECIALLY INSPECTED WORK WHICH IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE CITY INSPECTOR IS SUBJECT TO REMOVAL OR EXPOSURE.
-- CONTINUOUS INSPECTION IS REQUIRED DURING THE PERFORMANCE OF THE WORK WHERE REQUIRED BY THE BUILDING CODE / LOCAL JURISDICTION / MANUFACTURER'S REQUIREMENTS UNLESS OTHERWISE SPECIFIED.
-- THE SPECIAL INSPECTOR MUST BE CERTIFIED TO PERFORM THE TYPES OF INSPECTION SPECIFIED AND SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL.
-- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST TWO WORKING DAY BEFORE PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION. ALL WORK PERFORMED WITHOUT THE REQUIRED SPECIAL INSPECTION IS SUBJECT TO REMOVAL.

SPECIAL INSPECTORS SHALL:
-- BE UNDER THE SUPERVISION OF A WASHINGTON REGISTERED CIVIL ENGINEER.
-- OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH APPROVED DRAWINGS AND SPECIFICATIONS.
-- FURNISH INSPECTION REPORTS TO THE BUILDING DEPARTMENT AND ENGINEER. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION; THEN, IF NOT CORRECTED, TO THE BUILDING DEPARTMENT AND ENGINEER.
-- SUBMIT A FINAL REPORT, SIGNED BY A WASHINGTON REGISTERED CIVIL ENGINEER, STATING THE WORK WAS IN CONFORMANCE WITH THE APPROVED DRAWINGS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF IBC.

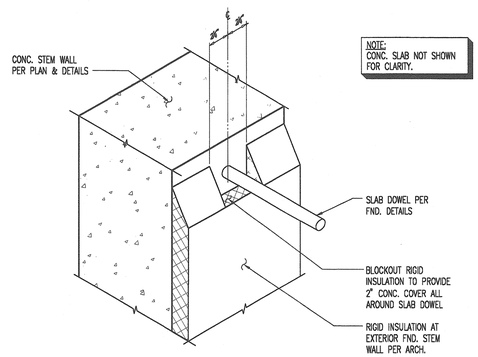
SPECIAL INSPECTIONS REQUIRED:
SHOP FABRICATIONS:
-- AS REQUIRED BY IBC SECTION 1704.2.4 1
STEEL:
-- HIGH STRENGTH BOLTING, WELDING MEMBER LAYOUT AND DETAILING, AND AS REQUIRED BY IBC SECTION 1704.3. 1
CONCRETE:
-- CONCRETE STRENGTH (WHERE f'c IS GREATER THAN 2,500 PSI, EXCEPT SLAB ON GRADE), SLUMP, AIR CONTENT AND MIX DESIGN AND AS REQUIRED BY IBC SECTION 1704.4.
-- REINFORCEMENT PLACEMENT, BOLTS, AND EMBEDS IN CONCRETE.
-- SPECIAL INSPECTION AT THE FACTORY IS REQUIRED FOR THE STRENGTH & REINFORCEMENT PLACEMENT FOR ALL PRECAST PANELS. THE SPECIAL INSPECTOR SHALL BE WABO CERTIFIED AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO CONSTRUCTION OF THE TILT UP WALLS. ALL SPECIAL INSPECTION REPORTS SHALL BE PROVIDED TO THE BUILDING INSPECTOR PRIOR TO INSTALLATION OF ANY TILT-UP PANELS. 1

LIGHT GAUGE STEEL FRAMING:
-- WOOD PANEL SHEATHED SHEAR WALLS, ROOF, AND FLOORS.



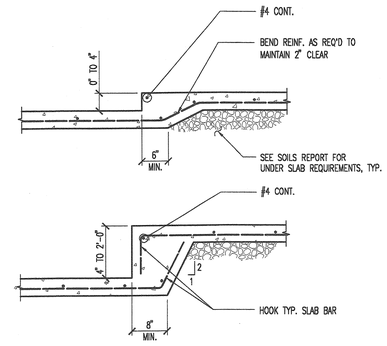
A TYPICAL SLAB ON GRADE JOINTS

S0.02 SCALE: N.T.S.



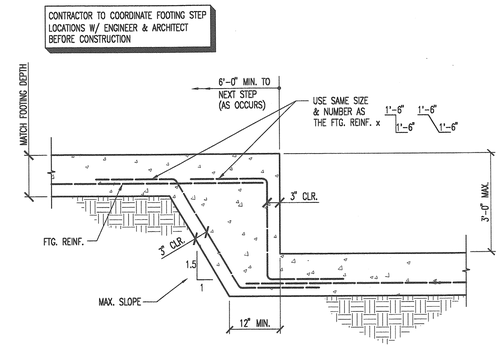
B CONC. COVER @ REINF. & INSUL.

S0.02 SCALE: N.T.S.



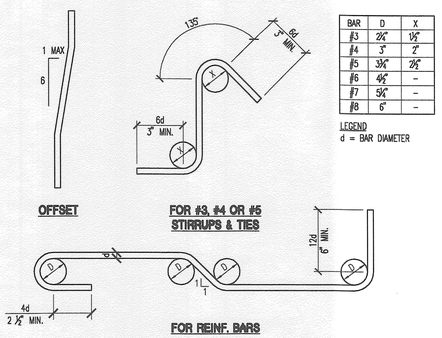
C TYP. STEP IN SLAB ON GRADE

S0.02 SCALE: 3/4"=1'-0"



D TYPICAL STEPPED FOOTING

S0.02 SCALE: N.T.S.

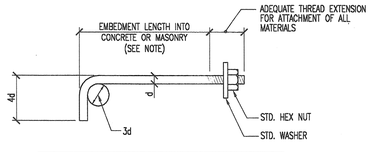


BAR	D	X
#3	2¼"	1½"
#4	3"	2"
#5	3¾"	2½"
#6	4½"	–
#7	5¼"	–
#8	6"	–

LEGEND
d = BAR DIAMETER

E TYP. REBAR BENDING SCHEDULE

S0.02 SCALE: N.T.S.

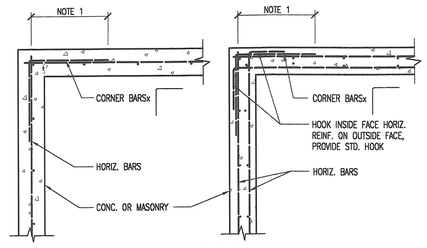


BOLT DIA. d	MINIMUM EMBEDMENT U.N.O.	
	ANCHOR BOLTS INSTALLED HORIZONTAL	ANCHOR BOLTS INSTALLED VERTICAL
⅜"	5"	7"
⅜"	5"	7"
¾"	5"	7"
⅞"	6"	8"
1"	7"	9"
1⅛"	8"	10"

NOTE: ANCHOR BOLT EMBEDMENT INSTALLED HORIZONTAL APPLIES TO CONC. ONLY.

F TYPICAL ANCHOR BOLT

S0.02 SCALE: N.T.S.



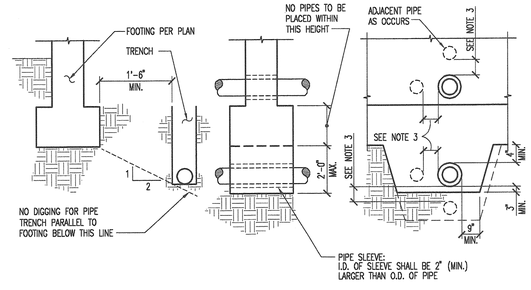
NOTE: MATCH HORIZ. BAR SIZE AND SPACING FOR CORNER BARS

SINGLE LAYER **DOUBLE LAYER**

NOTE: 1. LAP CORNER BARS:
40 DIAMETERS FOR CONC. } 2'-0" MIN.
48 DIAMETERS FOR MASONRY } 2'-6" MIN. IF WALL IS RETAINING SOIL

G TYP. CORNER BAR DETAILS

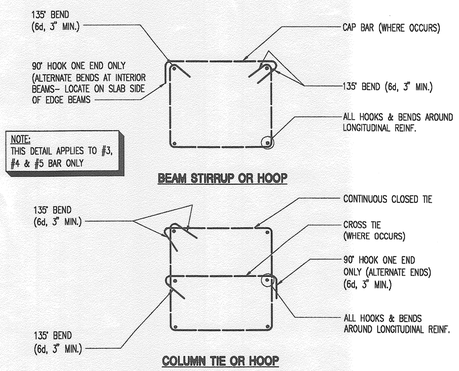
S0.02 SCALE: N.T.S.



NOTE: 1- SEE NOTES ON FOUNDATION PLAN FOR ADDITIONAL REINFORCEMENT (WHERE OCCURS).
2- PIPE & CONDUIT MUST RUN PERP. THRU WALL.
3- VERT. & HORIZ. CLEAR SPACE BETWEEN ADJACENT PIPE SLEEVES SHALL NOT BE LESS THAN THE DIAMETER OF THE LARGER SLEEVE.

H TYP. FTG. AT PIPE OR CONDUIT

S0.02 SCALE: N.T.S.



J TYP HOOP, CROSS AND STIRRUP TIES

S0.02 SCALE: N.T.S.

I MINIMUM STRAIGHT DEVELOPMENT LENGTH (Ld)[2]

BAR SIZE	f'c= 3000 PSI		f'c= 4000 PSI	
	TOP BARS[1]	OTHER BARS	TOP BARS[1]	OTHER BARS
#3	22"	17"	19"	15"
#4	29"	22"	25"	19"
#5	36"	28"	31"	24"
#6	43"	33"	37"	29"
#7	62"	48"	54"	42"
#8	72"	55"	62"	48"
#9	81"	62"	70"	54"
#10	91"	70"	79"	61"
#11	101"	78"	87"	67"

1. "TOP BARS" ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM, OR THE TOP LAYER OF REINFORCING IN A MEMBER W/ MULTIPLE LAYERS, OR COLUMN LONG. BARS.
2. IF CLEAR CONCRETE COVER IS NOT GREATER THAN THE DIAMETER OF THE BAR OR THE CENTER TO CENTER SPACING IS NOT GREATER THAN 3 BAR DIAMETERS, THEN VALUES SHALL BE INCREASED BY 50%.

II MINIMUM LAP SPLICE LENGTHS (Ls)[2]

BAR SIZE	f'c= 3000 PSI		f'c= 4000 PSI	
	TOP BARS[1]	OTHER BARS	TOP BARS[1]	OTHER BARS
#3	28"	22"	24"	19"
#4	37"	29"	33"	25"
#5	47"	36"	41"	31"
#6	56"	43"	49"	37"
#7	81"	63"	71"	54"
#8	93"	72"	81"	62"
#9	105"	81"	91"	70"
#10	118"	91"	102"	79"
#11	131"	101"	113"	87"

1. "TOP BARS" ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM, OR THE TOP LAYER OF REINFORCING IN A MEMBER W/ MULTIPLE LAYERS, OR COLUMN LONG. BARS.
2. IF CLEAR CONCRETE COVER IS NOT GREATER THAN THE DIAMETER OF THE BAR OR THE CENTER TO CENTER SPACING IS NOT GREATER THAN 3 BAR DIAMETERS, THEN VALUES SHALL BE INCREASED BY 50%.

NOTE:
VALUES SHOWN ARE FOR GRADE 60, UNCOATED BARS & NORMAL WEIGHT CONCRETE. FOR EPOXY COATED BARS WITH COVER LESS THAN 3 BAR DIAMETERS OR IF CENTER TO CENTER SPACING IS LESS THAN 6 BARS DIAMETERS, INCREASE LENGTHS NOTED ABOVE BY 50%. OTHERWISE INCREASE EPOXY COATED BAR LENGTHS NOTED BY 20%. FOR GRADE 40 REINF., DECREASE BAR LENGTH NOTED BY 30%, 12" MIN. (CHANGES ARE CUMULATIVE).

III MINIMUM EMBEDMENT LENGTHS (Ldh) for standard end hooks

A. FOR GENERAL USES.

BAR SIZE	f'c= 3000 PSI	f'c= 4000 PSI
#3	6"	6"
#4	8"	7"
#5	10"	9"
#6	12"	10"
#7	14"	12"
#8	16"	14"
#9	18"	15"
#10	20"	17"
#11	22"	19"

1. COVER MUST BE EQUAL TO OR GREATER THAN 2 1/2".
2. END COVER FOR 90° HOOKS MUST BE EQUAL TO OR GREATER THAN 2".

B. IN SHEAR WALL BOUNDARY ELEMENTS OR IN SEISMIC FRAME ELEMENTS:

BAR SIZE	f'c= 3000 PSI	f'c= 4000 PSI
#3	7"	6"
#4	9"	8"
#5	11"	16"
#6	13"	11"
#7	15"	13"
#8	17"	15"
#9	19"	17"
#10	22"	19"
#11	24"	21"

1. COVER MUST BE EQUAL TO OR GREATER THAN 2 ½".
2. END COVER FOR 90° HOOKS MUST BE EQUAL TO OR GREATER THAN 2".
3. MUST BE INSIDE CONFINED BOUNDARY ELEMENT OR WITHIN FRAME TIES.
4. 90° HOOKS ONLY.

K REINF. SPLICE AND DEVELOPMENT LENGTH SCHEDULE

S0.02 SCALE: N.T.S.

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APPROVED TO CONSTRUCT PER CODES AS REQUIRED BY RCW 19.27 SUBJECT TO FIELD INSPECTION AND CORRECTION
MAR 19 2007
CITY OF SAMMAMISH

S0.02

ASHLIE K. BHAGAT STATE OF WASHINGTON 17001 REGISTERED PROFESSIONAL ENGINEER
12-06-06
EXPIRES: 12-06-06

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Architecture + Planning + Interiors
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AKB JOB No. 203-189
AKB ENGINEERS, INC.

ISSUE DATE: 12-06-06
REVISIONS: PERMIT SET

CONCRETE DETAILS

JOB NO: 03101

EVERGREEN CHRISTIAN FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

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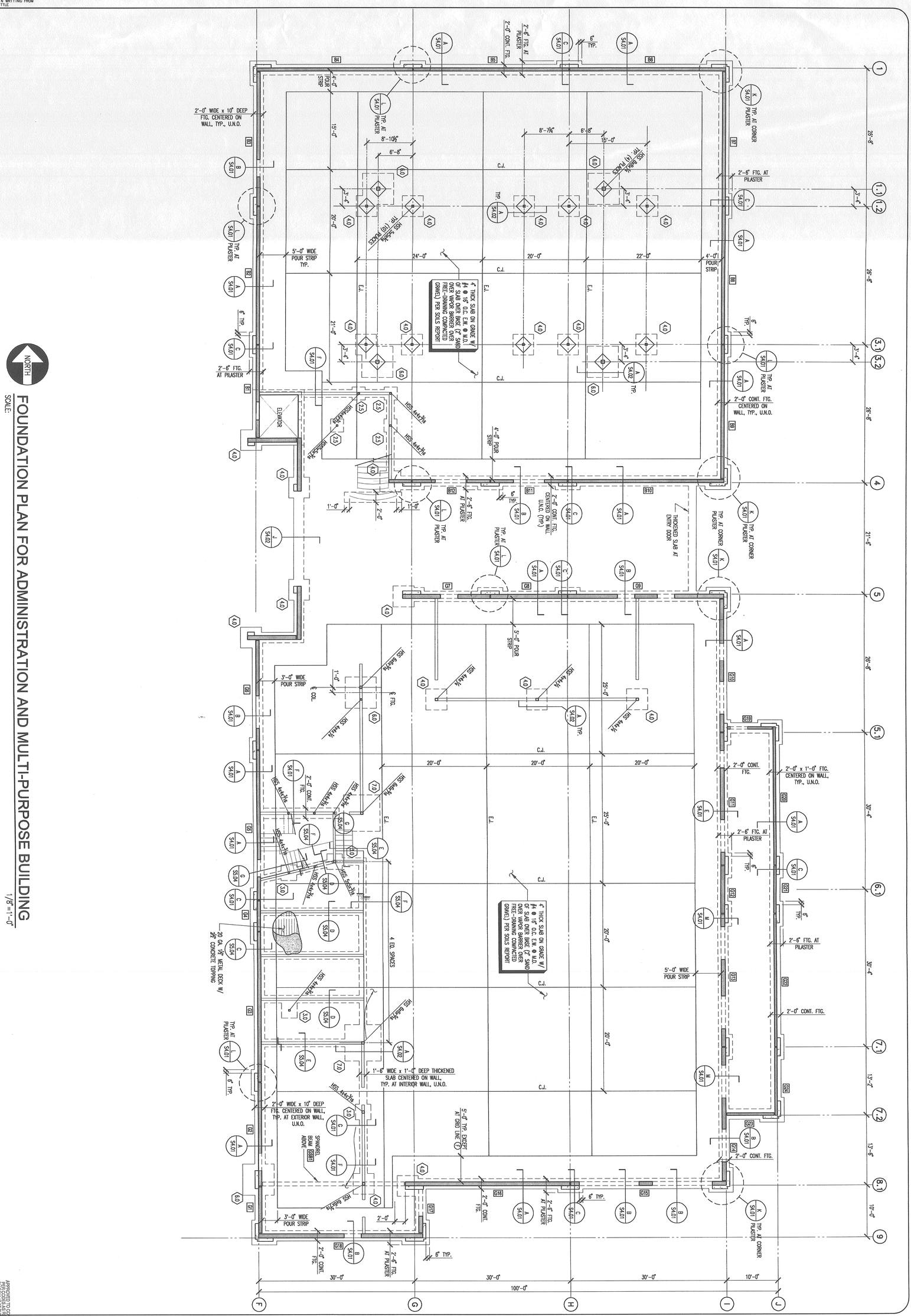

FOUNDATION PLAN FOR ADMINISTRATION AND MULTI-PURPOSE BUILDING

SCALE: 1/8"=1'-0"

APPROVED TO CONSTRUCT
PER CONDITIONS SPECIFIED
FIELD INSPECTION AND CORRECTION

MAR 19 2007

CITY OF SAMMAMISH

S2.11

EVERGREEN CHRISTIAN FELLOWSHIP

120 228TH AVENUE NE
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JOB NO: 03101

ISSUE DATE: 7.17.06
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ARUN K. BHAGAT
STATE OF WASHINGTON
17087
REGISTERED
PROFESSIONAL ENGINEER

7-17-06

EXPIRES: 12-06-06

SECOND FLOOR FRAMING PLAN FOR ADMINISTRATION AND MULTI-PURPOSE BUILDING

SCALE: 1/8"=1'-0"

NORTH

APPROVED TO CONSTRUCT
PER CODES AS REQUIRED
BY RCW 19.27 SUBJECT TO
FIELD INSPECTION AND CORRECTION

MAR 19 2007

CITY OF SAMMAMISH

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EVERGREEN CHRISTIAN FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

S2.12

ROOF FRAMING PLAN FOR ADMINISTRATION AND MULTLI-PURPOSE BUILDING

SCALE: 1/8"=1'-0"

NORTH

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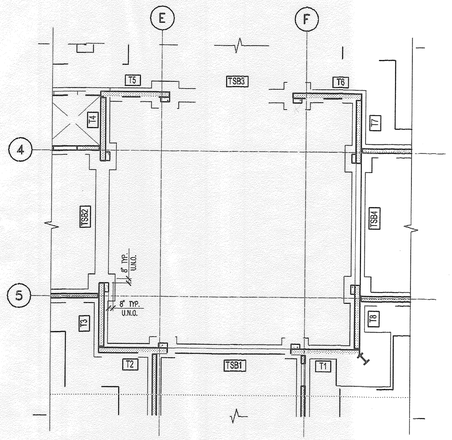
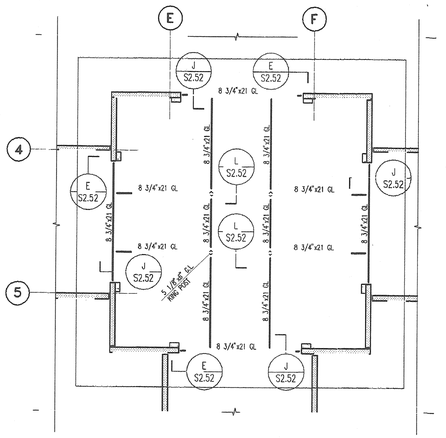
S2.13



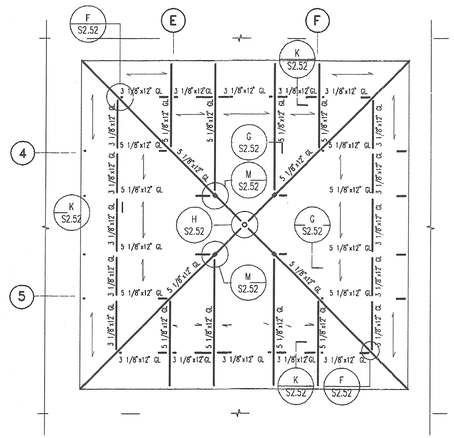
TOWER FOUNDATION PLAN

SCALE: 3/32" = 1'-0"



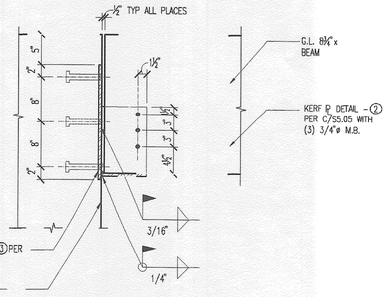
LOWER ROOF FRAMING PLAN

SCALE: 3/32" = 1'-0"



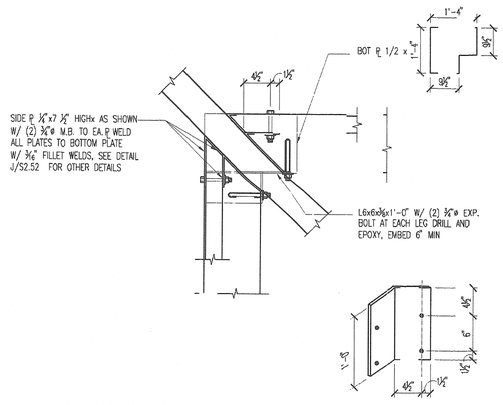
UPPER ROOF FRAMING PLAN

SCALE: 3/32" = 1'-0"



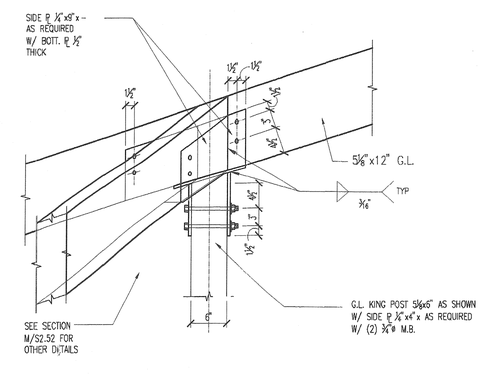
E S2.52 G.L. BEAM TO PANEL END CONN.

SCALE: 1" = 1'-0"



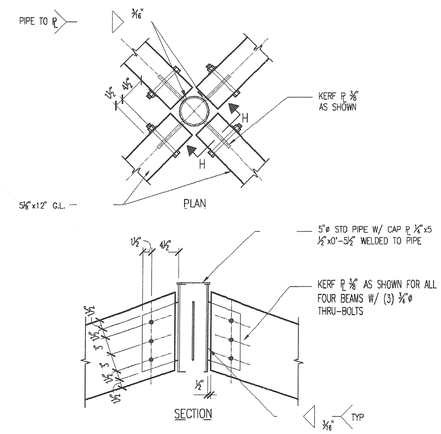
F S2.52 DIAGONAL BEAM & BLOCKING TO PANEL CONNECTION

SCALE: 1" = 1'-0"



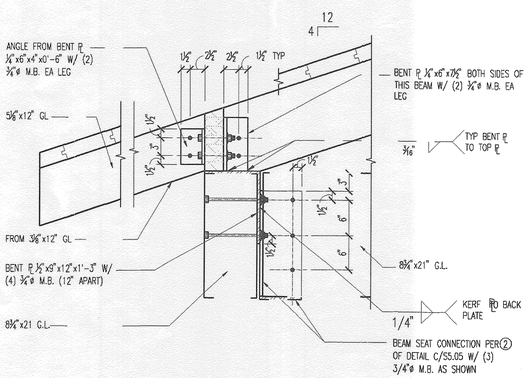
G S2.52 SKEWED BEAM/POST CONNECTION

SCALE: 1" = 1'-0"



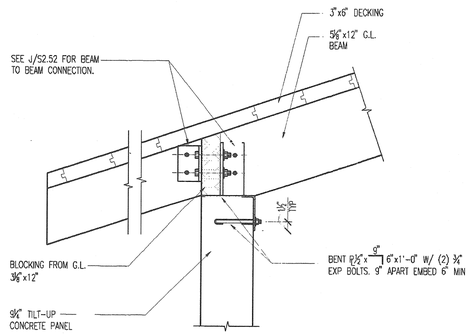
H S2.52 BEAMS CONNECTION AT CENTER

SCALE: 1" = 1'-0"



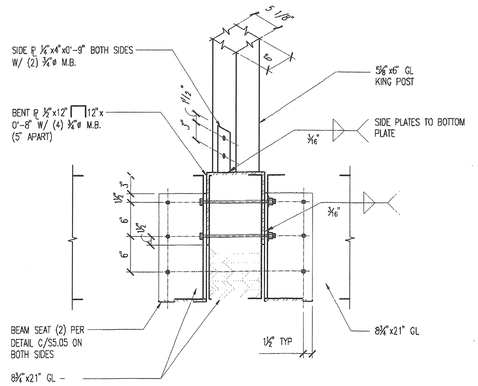
J S2.52 HORIZONTAL BEAMS TO TAPERED BEAM CONN

SCALE: 1" = 1'-0"



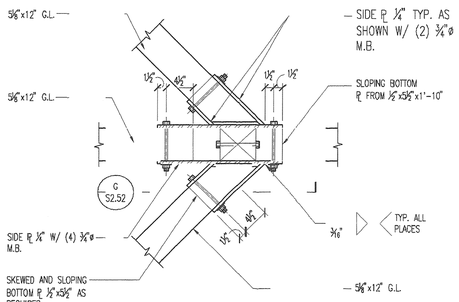
K S2.52 BEAM TO BEAM & PANEL CONN.

SCALE: 1" = 1'-0"



L S2.52 BEAM TO BEAM & KING POST CONN.

SCALE: 1" = 1'-0"



M S2.52 SKEWED BEAM/POST CONNECTION

SCALE: 1" = 1'-0"

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TOWER FOUNDATION, ROOF FRAMING PLANS & PANEL ELEVATIONS

JOB NO: 03101

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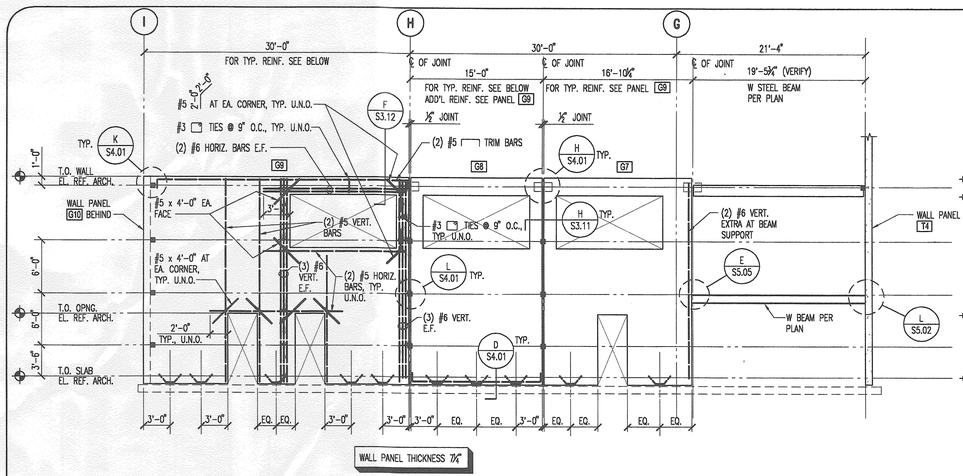
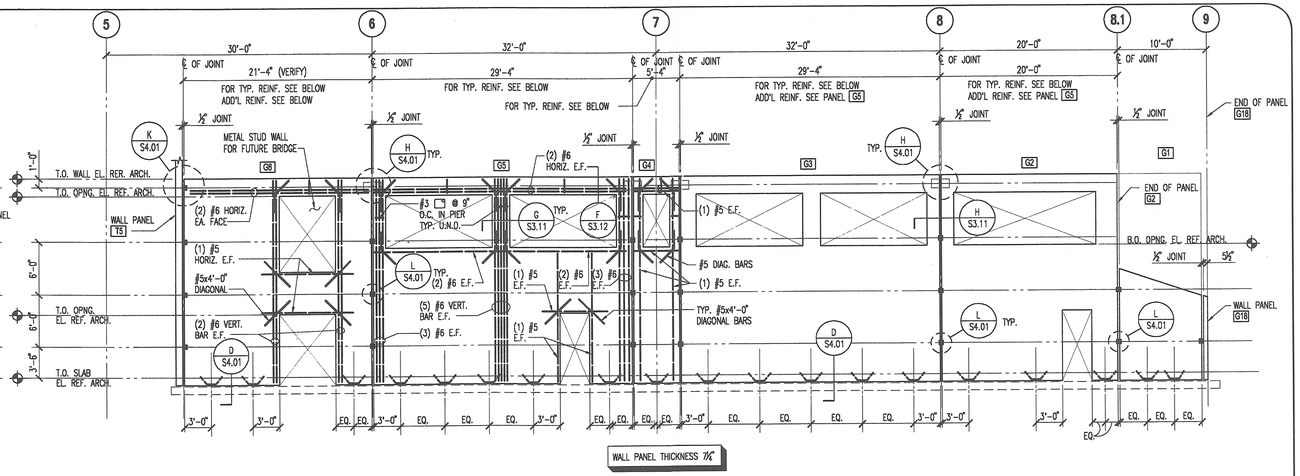


WALL PANEL THICKNESS 7¼"

CONCRETE WALL PANEL ELEVATION ALONG GRID LINE "5"

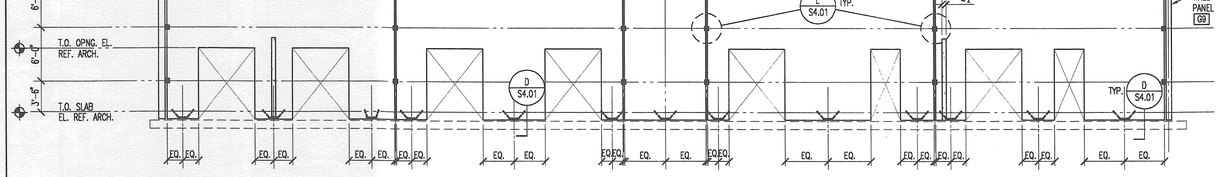
SCALE: 1/8"=1'-0"



WALL PANEL THICKNESS 7¼"

CONCRETE WALL PANEL ELEVATION ALONG GRID LINE "F"

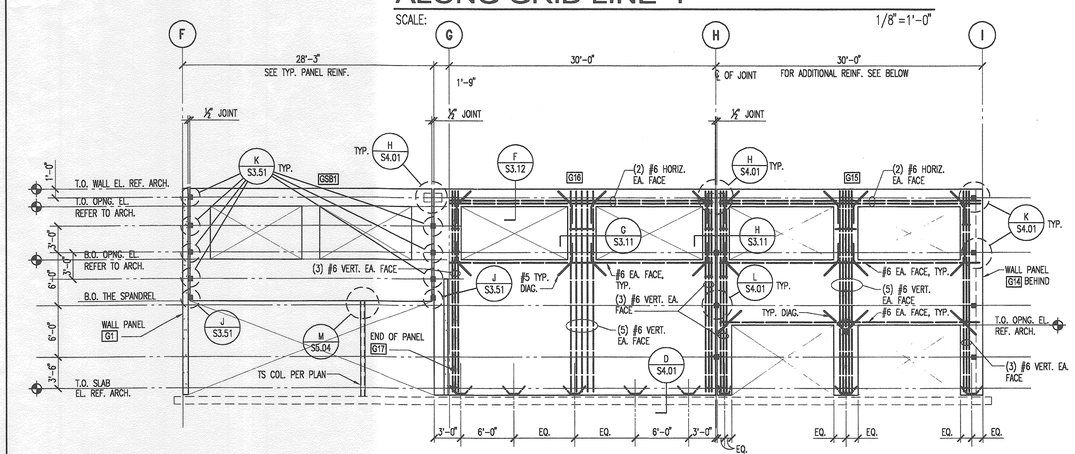
SCALE: 1/8"=1'-0"



WALL PANEL THICKNESS 7¼"

CONCRETE WALL PANEL ELEVATION ALONG GRID LINE "I"

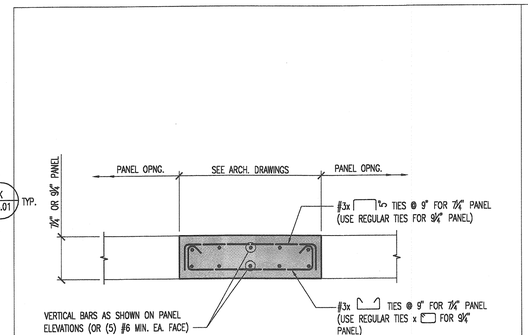
SCALE: 1/8"=1'-0"



WALL PANEL THICKNESS 9¾"

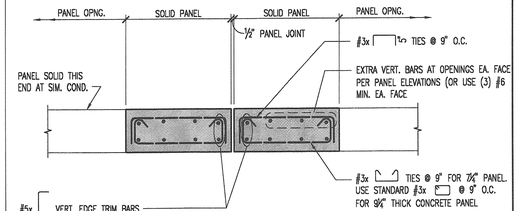
CONCRETE WALL PANEL ELEVATION ALONG GRID LINE "8.1"

SCALE: 1/8"=1'-0"



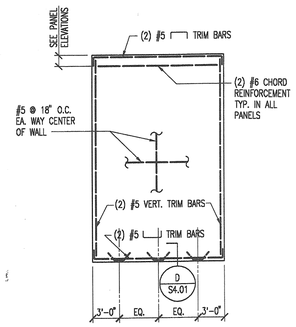
G EXTRA BARS AT PANEL OPENILNG

S3.11 SCALE: 1"=1'-0"



H EXTRA BARS AND PANEL JOINTS

S3.11 SCALE: 1"=1'-0"



TYP. 7 1/4" THICK WALL PANEL REINF.

SCALE: 1/8"=1'-0"

TILT-UP WALL PANEL NOTES:

1. THE FOLLOWING NOTES APPLY UNLESS SHOWN OTHERWISE ON THE PANEL ELEVATIONS.
2. PANEL IDENTIFICATION NUMBERS ARE SHOWN THUS: A12. SEE FOUNDATION PLAN FOR PANEL LOCATIONS
3. ALL PANELS ARE VIEWED FROM THE OUTSIDE, U.N.O.
4. ALL PANELS ARE CAST WITH THE OUTSIDE FACE DOWN.
5. THE PANEL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CUT-OUTS, SLEEVES, EMBEDS, OR BLOCKOUTS REQUIRED BY THE PLUMBING, HEATING, AND ELECTRICAL CONTRACTORS AND OTHER ARCHITECTURAL DETAILS.
6. ALL PANELS SHALL HAVE A 3/4" CHAMFER ON ALL EDGES EXCEPT THE BOTTOM EDGE UNLESS SHOWN OTHERWISE ON THE ARCHITECTURAL DRAWINGS.
7. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PANEL DIMENSIONS AS WELL AS THE LOCATION OF ALL EMBEDDED ITEMS PRIOR TO CASTING CONCRETE.
8. PANEL STRESSES ARE TO BE CHECKED BY THE ERECTION CONTRACTOR WHO SHALL PROVIDE ANY ADDITIONAL REINFORCING STEEL AS REQUIRED FOR HANDLING AND ERECTION. STRONG BACKS AND DIAGONAL BURN-OUT BARS MAY BE REQUIRED AT LARGE OPENINGS. THE TYPICAL PANEL REINFORCING IS CRACKING IF THE SLAB BOND BREAKER DOES NOT WORK OR IF SUCTIONS FORCES FROM WATER ON THE SLAB-PANEL CASTING SURFACE ARE PRESENT AT THE TIME THE PANEL IS LIFTED.
9. OVERALL PANEL THICKNESS ARE SHOWN ON THE ELEVATIONS.
10. TYPICAL PANEL REINFORCING IS SHOWN ON THE PANEL ELEVATIONS. THE VERTICAL BARS SHALL BE AT THE CENTER OF THE THICKNESS OF THE PANEL BETWEEN THE BACK OF THE PANEL AND THE OUTSIDE FACE OF THE PANEL, UNLESS OTHERWISE SHOWN.
11. THE ARCHITECTURAL SHEETS SHOW THE LOCATIONS OF REVEALS, NOTCHES, ADDITIONAL CHAMFERS, SURFACE TEXTURE TREATMENTS, AND OTHER FINISH DETAILS. NOT ALL FINISH DETAILS ARE SHOWN ON THE STRUCTURAL PANEL SHEETS. MAXIMUM DEPTH OF REVEAL STRIPS SHALL BE 3/4" AT OUTSIDE FACE ONLY.
12. SEE THE FOUNDATION PLANS, FLOOR PLANS, ROOF PLANS , AND DETAIL SHEETS FOR EMBED PLATES NOT REFERENCED ON THE PANEL ELEVATIONS. ALL OF THE EMBEDS REQUIRED FOR A PANEL MAY NOT BE SHOWN ON THE STRUCTURAL PANEL SHEETS ALONE.
13. ALL JOINTS BETWEEN PANELS ARE 1/2" WIDE AND ALL DIMENSIONS AT PANEL JOINTS ARE TO THE CENTER OF THE JOINT, UNLESS OTHERWISE SHOWN.
14. TYPICAL PANEL REINFORCEMENT FOR 5 1/2" THICK PANELS SHALL BE #5 @ 12" O.C. VERTICAL AND #5 @ 18" O.C. HORIZONTAL AT CENTERLINE PANEL WITH (2) #5 TRIM BARS ALL SIDES, U.N.O.
15. PROVIDE MINIMUM OF (1) #5 x 4'-0" LONG DIAGONAL BARS AT EACH CORNER OF PANEL OPENINGS.
16. PROVIDE MINIMUM OF (2) #5 HORIZONTAL AT TOP AND BOTTOM OF OPENINGS, EXTEND 2'-0" MINIMUM BEYOND EDGE OF OPENINGS, U.N.O.
17. PROVIDE 180 DEGREE HOOK FOR ALL HORIZONTAL AND VERTICAL BARS CUT AT OPENING.
18. PANELS WITH OPENINGS INDICATE ONLY THE ADDITIONAL STEEL REQUIRED FOR AT THE OPENINGS. ALL OTHER TYPICAL PANEL REINFORCEMENT IS NOT SHOWN FOR CLARITY BUT SHALL BE ADDED.
19. REFERENCE DETAIL FOR TYPICAL LOCATION OF REINFORCING STEEL WITHIN WALL PANELS.
20. ALL #3 BARS TO BE GRADE 40, U.N.O.

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CITY OF SAMMAMISH

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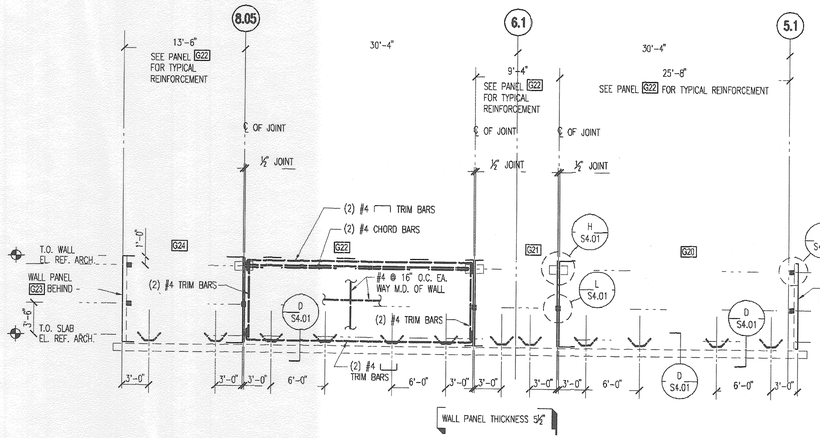
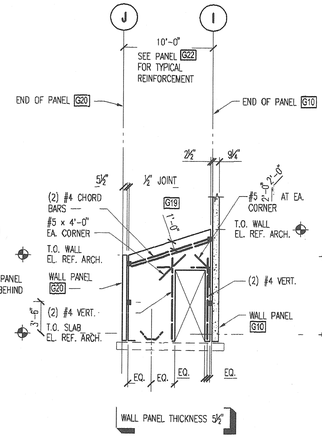
S3.11



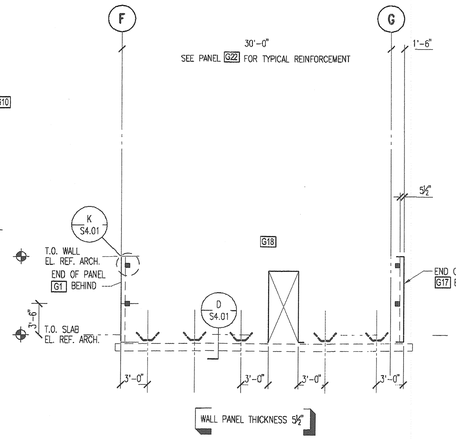
CONCRETE WALL PANEL ELEVATION ALONG GRID LINE "J"

SCALE: 1/8"=1'-0"



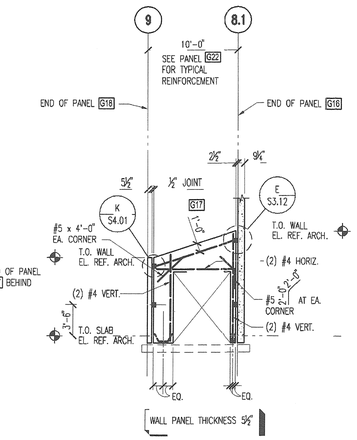
CONCRETE WALL PANEL ELEVATION ALONG GRID LINE "5.1"

SCALE: 1/8"=1'-0"



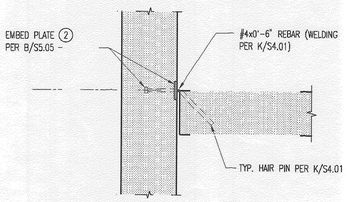
CONCRETE WALL PANEL ELEVATION ALONG GRID LINE "9"

SCALE: 1/8"=1'-0"



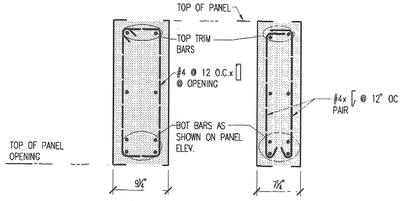
CONCRETE WALL PANEL ELEVATION ALONG GRID LINE "G.1"

SCALE: 1/8"=1'-0"



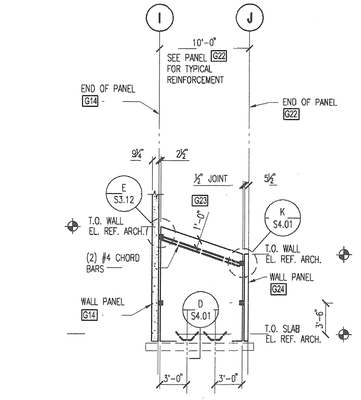
(E S3.12) TYP. CONT. PANEL TO PANEL EDGE CONN.

SCALE: 1"=1'-0"



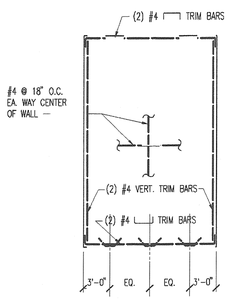
(F S3.12) PANEL HEADER @ OPNG

SCALE: 1"=1'-0"



CONCRETE WALL PANEL ELEVATION ALONG GRID LINE "8.05"

SCALE: 1/8"=1'-0"



TYP. 5 1/2" THICK WALL PANEL REINF.

SCALE: 1/8"=1'-0"

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6. ALL PANELS SHALL HAVE A 3/4" CHAMFER ON ALL EDGES EXCEPT THE BOTTOM EDGE UNLESS SHOWN OTHERWISE ON THE ARCHITECTURAL DRAWINGS.
7. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PANEL DIMENSIONS AS WELL AS THE LOCATION OF ALL EMBEDDED ITEMS PRIOR TO CASTING CONCRETE.
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15. PROVIDE MINIMUM OF (1) #5 x 4'-0" LONG DIAGONAL BARS AT EACH CORNER OF PANEL OPENINGS.
16. PROVIDE MINIMUM OF (2) #5 HORIZONTAL AT TOP AND BOTTOM OF OPENINGS, EXTEND 2'-0" MINIMUM BEYOND EDGE OF OPENINGS, U.N.O.
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20. ALL #3 BARS TO BE GRADE 40, U.N.O.

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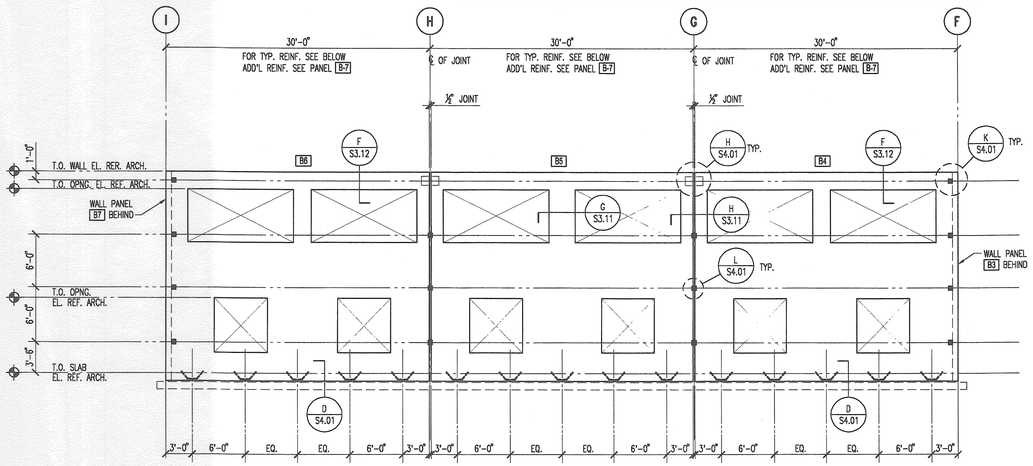
SAMMAMISH, WASHINGTON 98074

APPROVED TO CONSTRUCT PER CODES AS REQUIRED BY ROW 19.07 SUBJECT TO FIELD INSPECTION AND CORRECTION
MAR 19 2007
CITY OF SAMMAMISH

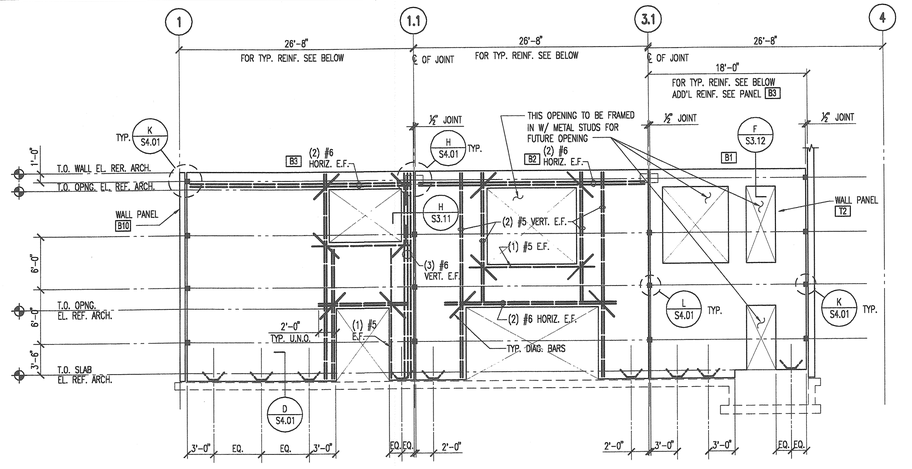
S3.12



WALL PANEL THICKNESS 7¼"

CONCRETE WALL PANEL ELEVATION ALONG GRID LINE "1"

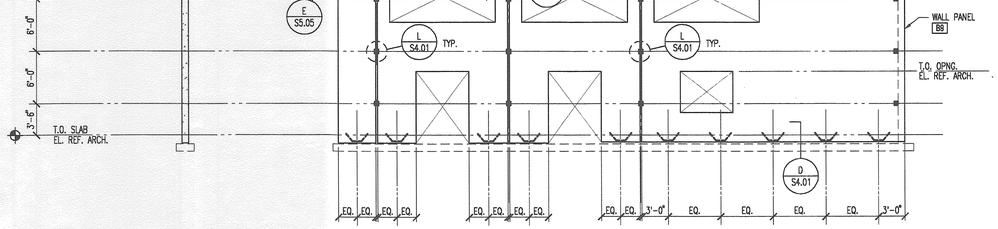
SCALE: 1/8"=1'-0"



WALL PANEL THICKNESS 7¼"

CONCRETE WALL PANEL ELEVATION ALONG GRID LINE "F"

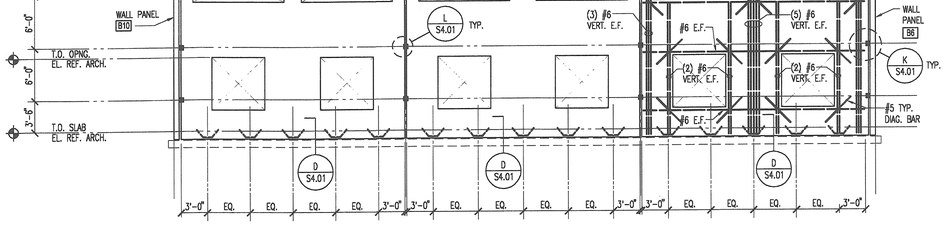
SCALE: 1/8"=1'-0"



WALL PANEL THICKNESS 7¼"

CONCRETE WALL PANEL ELEVATION ALONG GRID LINE "4"

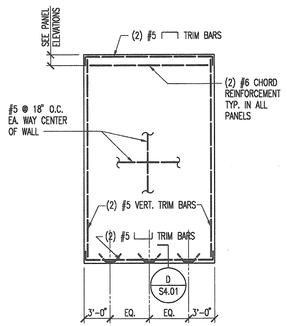
SCALE: 1/8"=1'-0"



WALL PANEL THICKNESS 7¼"

CONCRETE WALL PANEL ELEVATION ALONG GRID LINE "I"

SCALE: 1/8"=1'-0"



TYP. 7 1/4" THICK WALL PANEL REINF.

SCALE: 1/8"=1'-0"

TILT-UP WALL PANEL NOTES:

1. THE FOLLOWING NOTES APPLY UNLESS SHOWN OTHERWISE ON THE PANEL ELEVATIONS.
2. PANEL IDENTIFICATION NUMBERS ARE SHOWN THUS: [X12]. SEE FOUNDATION PLAN FOR PANEL LOCATIONS
3. ALL PANELS ARE VIEWED FROM THE OUTSIDE, U.N.O.
4. ALL PANELS ARE CAST WITH THE OUTSIDE FACE DOWN.
5. THE PANEL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CUT-OUTS, SLEEVES, EMBEDS, OR BLOCKOUTS REQUIRED BY THE PLUMBING, HEATING, AND ELECTRICAL CONTRACTORS AND OTHER ARCHITECTURAL DETAILS.
6. ALL PANELS SHALL HAVE A 3/4" CHAMFER ON ALL EDGES EXCEPT THE BOTTOM EDGE UNLESS SHOWN OTHERWISE ON THE ARCHITECTURAL DRAWINGS.
7. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PANEL DIMENSIONS AS WELL AS THE LOCATION OF ALL EMBEDDED ITEMS PRIOR TO CASTING CONCRETE.
8. PANEL STRESSES ARE TO BE CHECKED BY THE ERECTION CONTRACTOR WHO SHALL PROVIDE ANY ADDITIONAL REINFORCING STEEL AS REQUIRED FOR HANDLING AND ERECTION. STRONG BACKS AND DIAGONAL BURN-OUT BARS MAY BE REQUIRED AT LARGE OPENINGS. THE TYPICAL PANEL REINFORCING IS CRACKING IF THE SLAB BOND BREAKER DOES NOT WORK OR IF SUCTIONS FORCES FROM WATER ON THE SLAB-PANEL CASTING SURFACE ARE PRESENT AT THE TIME THE PANEL IS LIFTED.
9. OVERALL PANEL THICKNESS ARE SHOWN ON THE ELEVATIONS.
10. TYPICAL PANEL REINFORCING IS SHOWN ON THE PANEL ELEVATIONS. THE VERTICAL BARS SHALL BE AT THE CENTER OF THE THICKNESS OF THE PANEL BETWEEN THE BACK OF THE PANEL AND THE OUTSIDE FACE OF THE PANEL, UNLESS OTHERWISE SHOWN.
11. THE ARCHITECTURAL SHEETS SHOW THE LOCATIONS OF REVEALS, NOTCHES, ADDITIONAL CHAMFERS, SURFACE TEXTURE TREATMENTS, AND OTHER FINISH DETAILS. NOT ALL FINISH DETAILS ARE SHOWN ON THE STRUCTURAL PANEL SHEETS. MAXIMUM DEPTH OF REVEAL STRIPS SHALL BE 3/4" AT OUTSIDE FACE ONLY.
12. SEE THE FOUNDATION PLANS, FLOOR PLANS, ROOF PLANS , AND DETAIL SHEETS FOR EMBED PLATES NOT REFERENCED ON THE PANEL ELEVATIONS. ALL OF THE EMBEDS REQUIRED FOR A PANEL MAY NOT BE SHOWN ON THE STRUCTURAL PANEL SHEETS ALONE.
13. ALL JOINTS BETWEEN PANELS ARE 1/2" WIDE AND ALL DIMENSIONS AT PANEL JOINTS ARE TO THE CENTER OF THE JOINT, UNLESS OTHERWISE SHOWN.
14. TYPICAL PANEL REINFORCEMENT FOR 5 1/2" THICK PANELS SHALL BE #5 @ 12" O.C. VERTICAL AND #5 @ 18" O.C. HORIZONTAL AT CENTERLINE PANEL WITH (2) #5 TRIM BARS ALL SIDES, U.N.O.
15. PROVIDE MINIMUM OF (1) #5 x 4'-0" LONG DIAGONAL BARS AT EACH CORNER OF PANEL OPENINGS.
16. PROVIDE MINIMUM OF (2) #5 HORIZONTAL AT TOP AND BOTTOM OF OPENINGS, EXTEND 2'-0" MINIMUM BEYOND EDGE OF OPENINGS, U.N.O.
17. PROVIDE 180 DEGREE HOOK FOR ALL HORIZONTAL AND VERTICAL BARS CUT AT OPENING.
18. PANELS WITH OPENINGS INDICATE ONLY THE ADDITIONAL STEEL REQUIRED FOR AT THE OPENINGS. ALL OTHER TYPICAL PANEL REINFORCEMENT IS NOT SHOWN FOR CLARITY BUT SHALL BE ADDED.
19. REFERENCE DETAIL FOR TYPICAL LOCATION OF REINFORCING STEEL WITHIN WALL PANELS.
20. ALL #3 BARS TO BE GRADE 40, U.N.O.

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ARUN K. BHAGAT
STATE OF WASHINGTON
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EXPIRES: 12-06-06

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AKB ENGINEERS, INC.

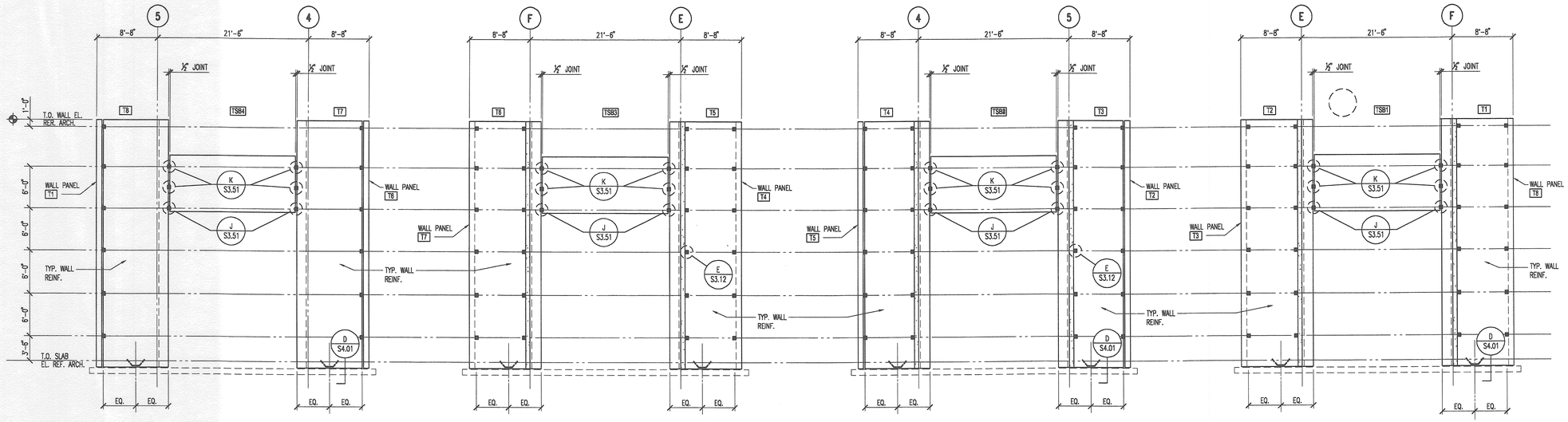
ISSUE DATE: 7.17.06
REVISIONS: PERMIT SET

JOB NO: 03101

EVERGREEN CHRISTIAN FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

APPROVED TO CONSTRUCT PER CODES AS REQUIRED BY ROW 19.2 SUBJECT TO FIELD INSPECTION AND CORRECTION
MAR 19 2007
CITY OF SAMMAMISH

S3.21



WALL PANEL THICKNESS 9¼"

CONCRETE WALL PANEL ELEVATION AT TOWER

SCALE: 1/8"=1'-0"

WALL PANEL THICKNESS 9¼"

CONCRETE WALL PANEL ELEVATION AT TOWER

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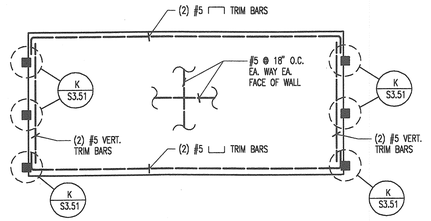
CONCRETE WALL PANEL ELEVATION AT TOWER

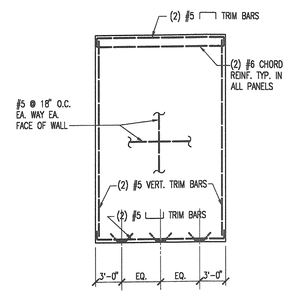
SCALE: 1/8"=1'-0"



TYP. 9 1/4" THICK SPANDREL

SCALE: 1/4"=1'-0"

TSB-1, TSB-2, TSB-3, TSB-4



TYP. 9 1/4" THICK WALL PANEL REINF.

SCALE: 1/8"=1'-0"

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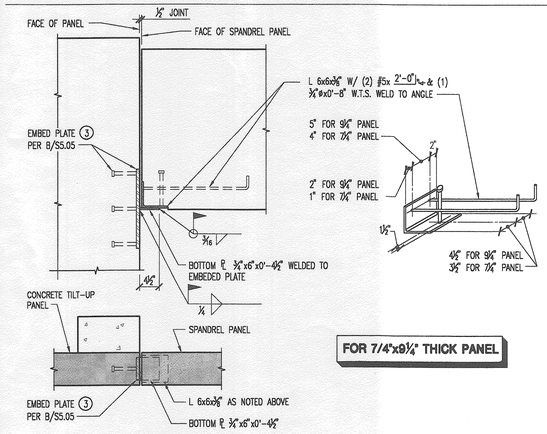
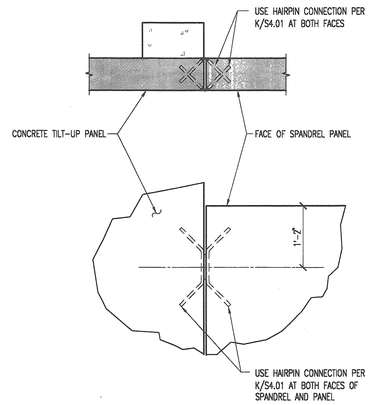


FOR 7/4"x9¼" THICK PANEL

J SPANDREL TO PANEL BOTTOM CONN.

S3.51 SCALE: 3/4"=1'-0"



K SPANDREL TO PANEL TOP CONN.

S3.51 SCALE: 3/4"=1'-0"

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AKB ENGINEERS, INC.

ISSUE DATE: 6/30/06 7/17/06
REVISIONS: PERMIT SET

PANEL ELEVATIONS

JOB NO: 03101

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S3.51

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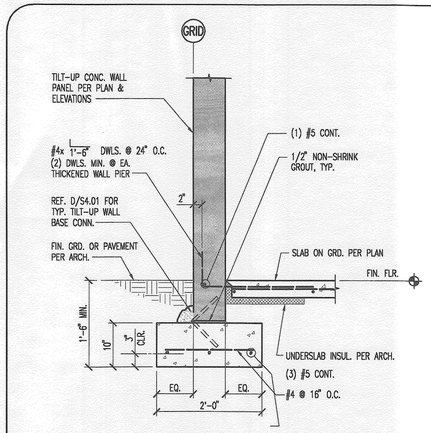
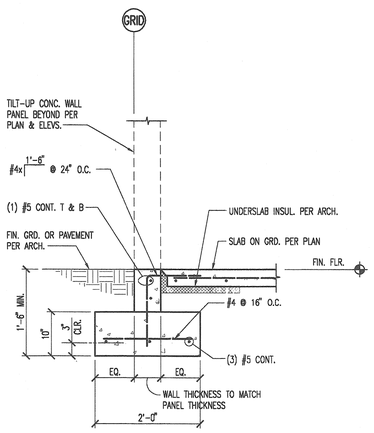
MAR 19 2007

CITY OF SAMMAMISH



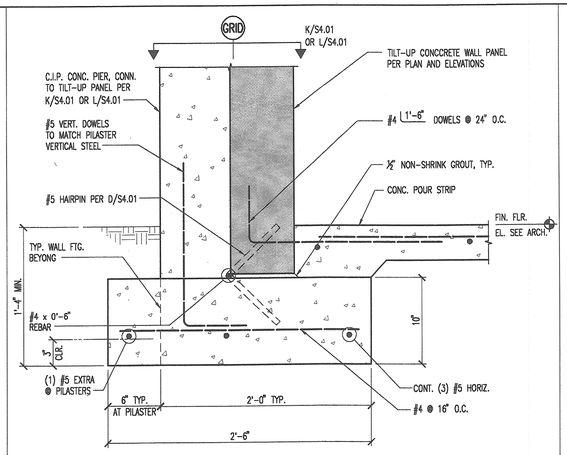
A TYP. EXT. TILT-UP WALL FOOTING

S4.01 SCALE: 3/4"=1'-0"



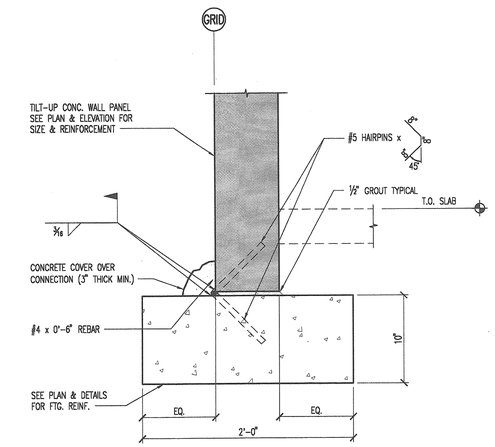
B THICKENED SLAB EDGE @ PANEL OPENINGS

S4.01 SCALE: 3/4"=1'-0"



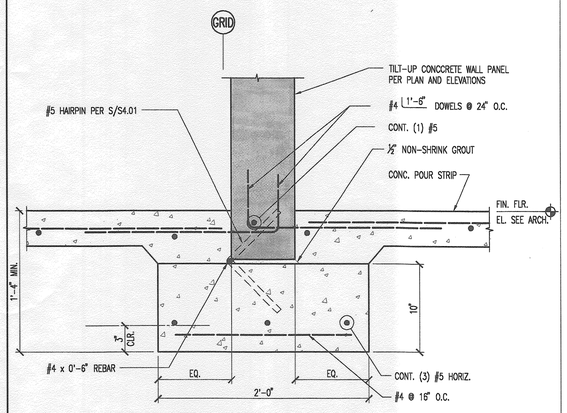
C CONC. PILASTER FOOTING

S4.01 SCALE: 1 1/2"=1'-0"



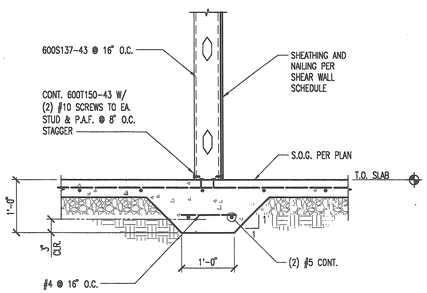
D TYP. TILT-UP WALL BASE CONN.

S4.01 SCALE: 1 1/2"=1'-0"



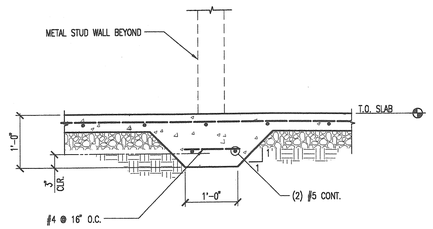
E TYP. INT. TILT-UP WALL FOOTING

S4.01 SCALE: 1 1/2"=1'-0"



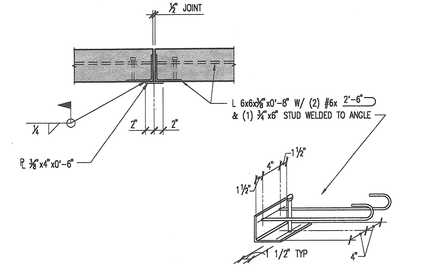
F TYP. FTG. AT INT. METAL STUD SHEAR WALL

S4.01 SCALE: 3/4"=1'-0"



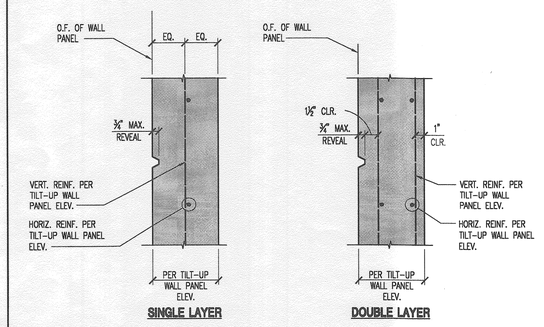
G TYP. FTG. AT INT. WALL DOOR OPN'G

S4.01 SCALE: 3/4"=1'-0"



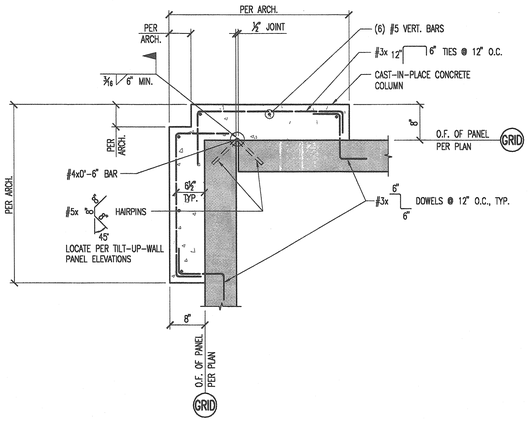
H TYP. PANEL CHORD CONNECTION

S4.01 SCALE: 3/4"=1'-0"



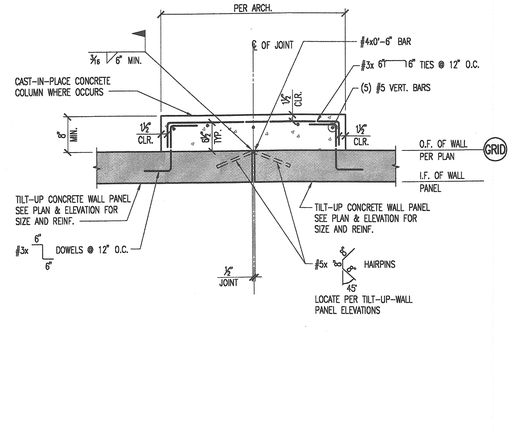
J TYP. LOCATION OF WALL PANEL REINF

S4.01 SCALE: 1 1/2"=1'-0"



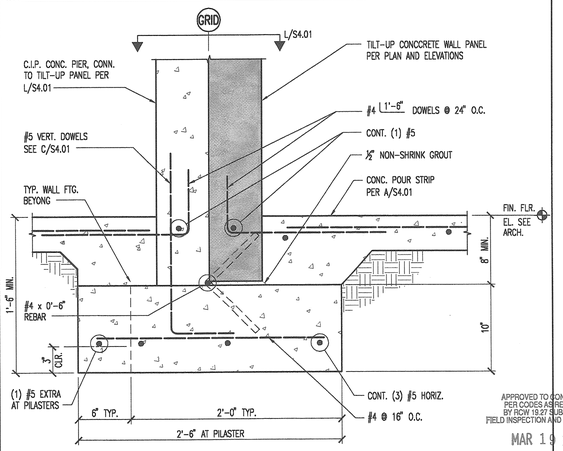
K TILT-UP-WALL PANEL CRONER CONN. AND C.I.P. PIER

S4.01 SCALE: 3/4"=1'-0"



L TILT-UP-WALL PANEL TYP. HOIRZ CONN. & C.I.P. PIERS

S4.01 SCALE: 3/4"=1'-0"



M INTERIOR CONC. PILASTER FOOTING

S4.01 SCALE: 1 1/2"=1'-0"

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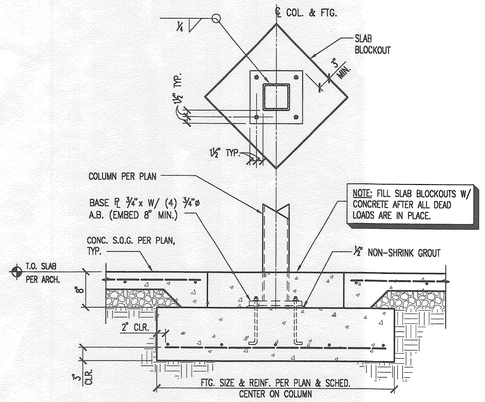
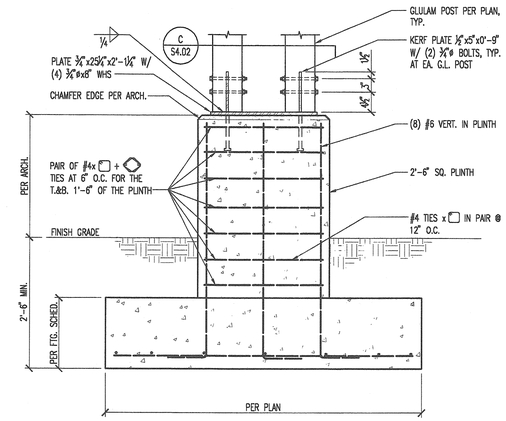


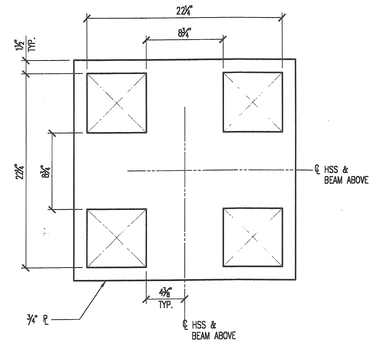
A TYP. INTERIOR HSS COL. FOOTING

S4.02 SCALE: 3/4"=1'-0"



B TYP. EXTERIOR PIER @ GLULAM POSTS

S4.02 SCALE: 3/4"=1'-0"

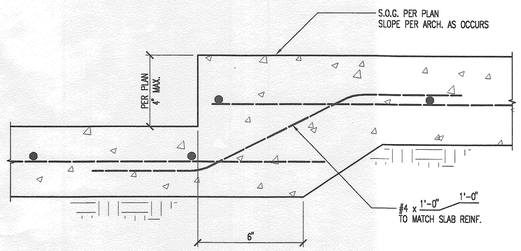


C FOOTING DETAIL

S4.02 SCALE: 3/4"=1'-0"

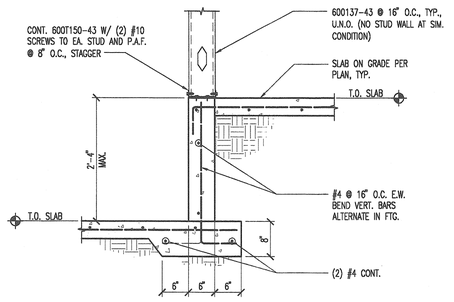
D

S4.02 SCALE: 3/4"=1'-0"



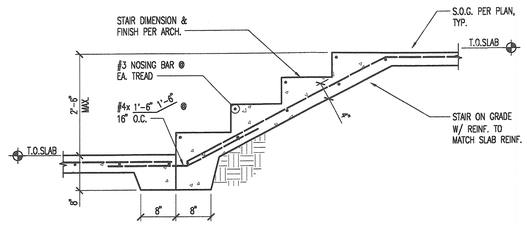
E SMALL STEP IN SLAB ON GRADE

S4.02 SCALE: 1 1/2"=1'-0"



F LARGE STEP IN SLAB ON GRADE

S4.02 SCALE: 3/4"=1'-0"

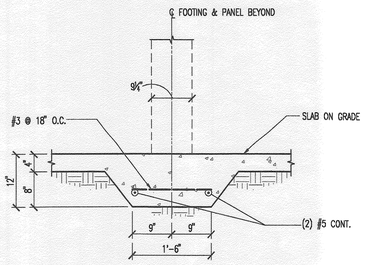


G STAIR ON GRADE

S4.02 SCALE: 3/4"=1'-0"

H

S4.02 SCALE: 3/4"=1'-0"



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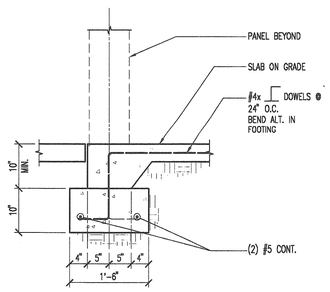
S4.02 SCALE: 3/4"=1'-0"



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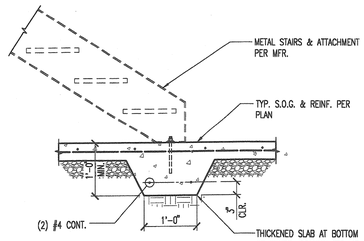
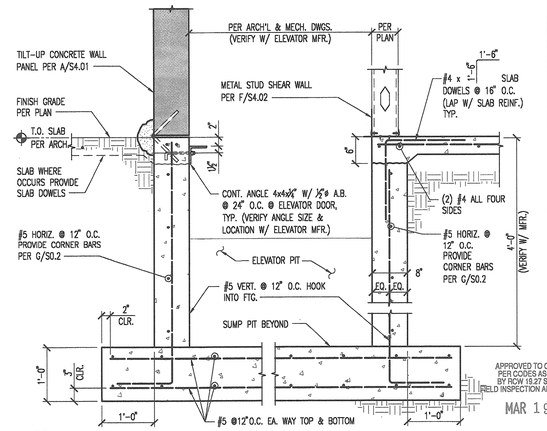
S4.02 SCALE: 3/4"=1'-0"



L METAL STAIR FOOTING

S4.02 SCALE: 3/4"=1'-0"



M ELEVATOR PIT DETAIL

S4.02 SCALE: 3/4"=1'-0"

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MAR 19 2007

CITY OF SAMMAMISH

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ISSUE DATE: 6/26/06 7-17-06
REVISIONS: PERMIT SET

FOUNDATION DETAILS

JOB NO: 03101

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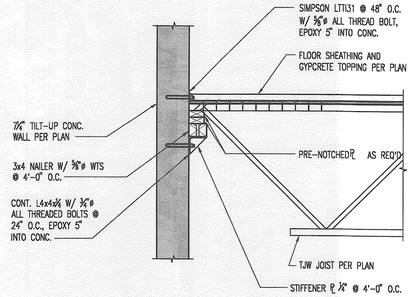
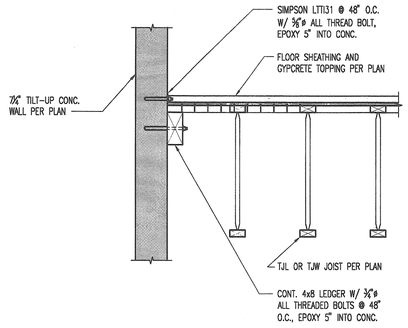
S4.02



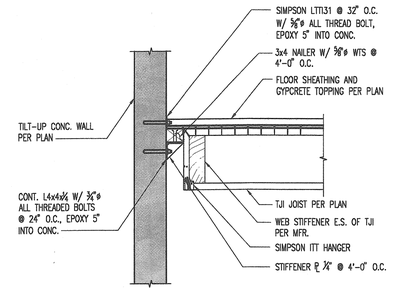
A OPEN WEB JOIST PERPENDICULAR TO CONC. WALL

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



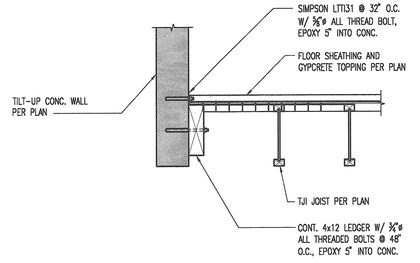
B OPEN WEB JOIST PARALLEL TO CONCRETE WALL

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



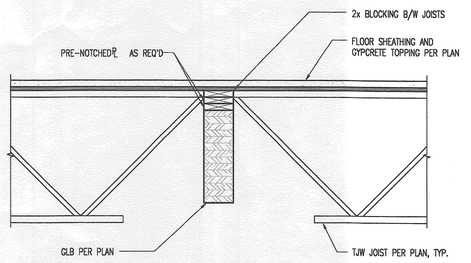
C TJI FLOOR JOIST PERPENDICULAR TO CONC. WALL

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



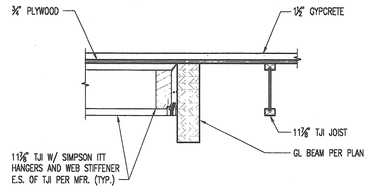
D TJI FLOOR JOIST PARALLEL TO CONCRETE WALL

S5.01 SCALE: 1 3/8"=1'-0"



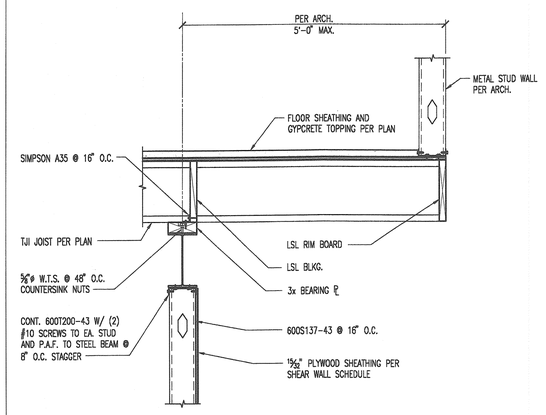
E OPEN WEB JOIST TO GLB

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



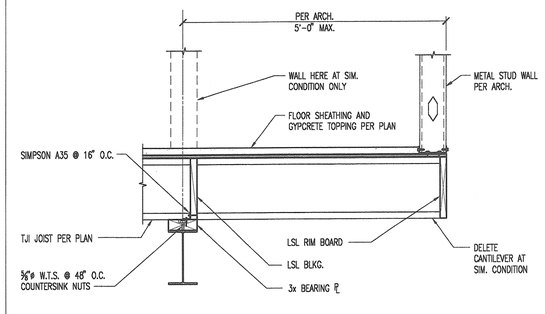
F JOIST TO BEAM CONNECTION

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



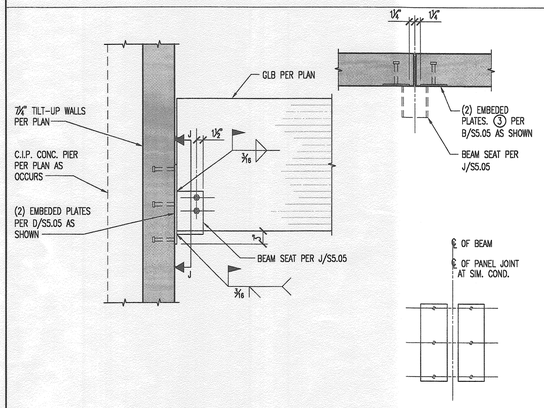
G CANT. TJI JOIST OVER METAL STUD SHEAR WALL

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



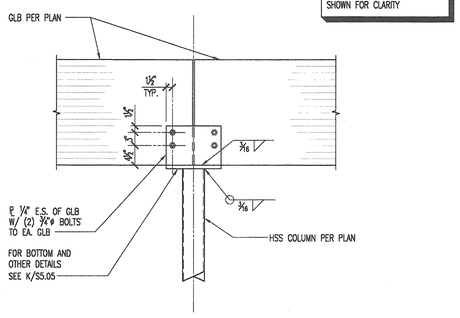
H CANT TJI JOIST OVER STEEL BEAM

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



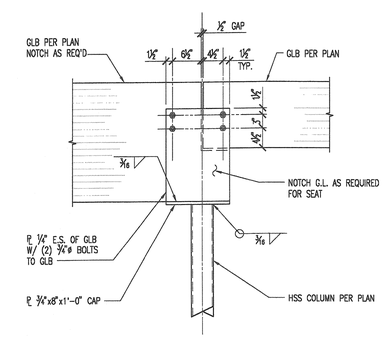
J GLB TO TILT-UP WALL CONN. AT JOINT

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



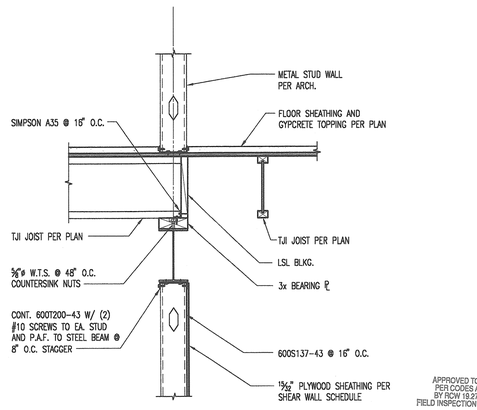
K GLB TO HSS COLUMN CONN.

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



L GLB WITH DIFF. DEPTH TO HSS COLUMN CONN.

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



M TJI JOIST OVER STEEL BEAM

S5.01 SCALE: 1 1/2"=1'-0"

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MAR 19 2007

CITY OF SAMMAMISH

ARUN K. BHAGAT
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
7-17-06
EXPIRES: 12-06-06

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ISSUE DATE: 6-16-06 7-17-06
REVISIONS: PERMIT SET

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JOB NO: 03101

EVERGREEN CHRISTIAN FELLOWSHIP
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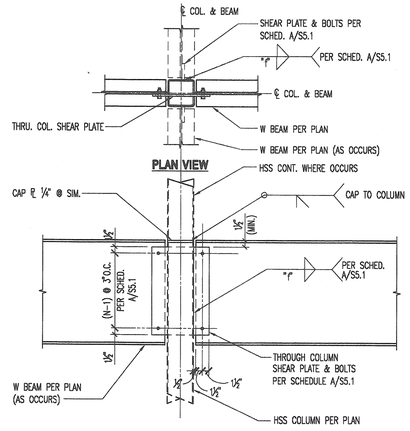
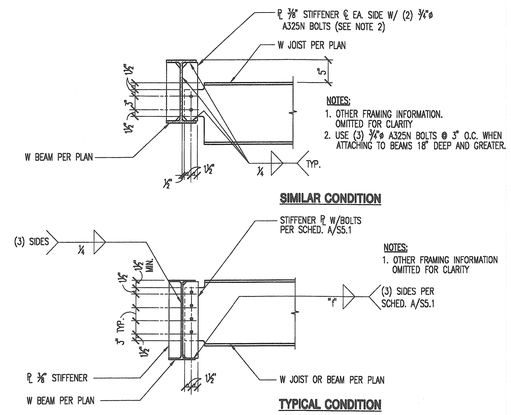
S5.01

TYPICAL BEAM/COLUMN [2] CONNECTION SCHEDULE					
BEAM SIZE	NO. AND SIZE OF BOLTS [1] ("N")	SHEAR PLATE THICKNESS ("t")	WELD SIZE ("f")	CAPACITY (K)	REMARKS
W10	(2) ¾"ø	¼"	5/16"	8.2	1. ALL BOLTS IN BEAM/COLUMN & BEAM/BEAM CONNECTIONS SHALL BE ASTM A325, U.N.O. 2. THIS TABLE APPLIES TO ALL CONNECTIONS, UNLESS NOTED OTHERWISE
W12	(3) ¾"ø	¼"	5/16"	16.3	
W14	(3) ¾"ø	¼"	5/16"	16.3	
W16	(4) ¾"ø	¼"	5/16"	26.1	
W18	(5) ¾"ø	¼"	5/16"	36.3	
W21	(5) ⅞"ø	5/16"	¼"	49.1	
W24	(6) ⅞"ø	5/16"	¼"	62.7	
W27	(7) ⅞"ø	5/16"	¼"	76.4	
W30	(8) ⅞"ø	⅜"	5/16"	88.5	

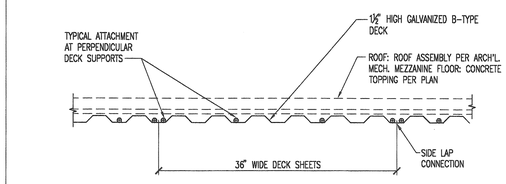
A TYP. BM./COL. CONN. SCHED.
S5.02 SCALE: 3/4"=1'-0"



B BEAM TO HSS COL. CONN.
S5.02 SCALE: 3/4"=1'-0"



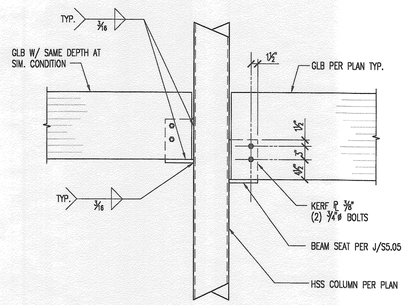
C BEAM TO BEAM CONN.
S5.02 SCALE: 3/4"=1'-0"



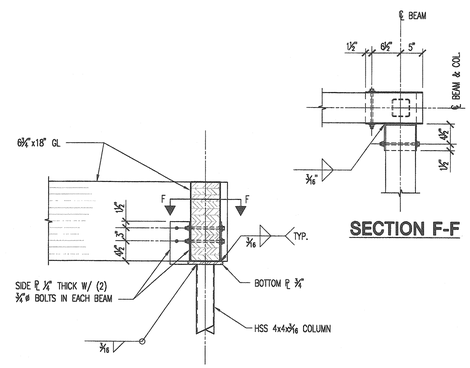
MINIMUM DECK SECTION PROPERTIES			
GA.	$I_x(+)$	$S_x(+)$	$S_x(-)$
20	.212	.234	.247

NOTES:
1- SEE GENERAL STRUCTURAL NOTES FOR METAL DECK ATTACHMENT REQUIREMENTS.
2- DECK SHEETS SHALL BE CONTINUOUS OVER 3 OR MORE SPANS WHERE POSSIBLE.
3- Fy = 33 ksi

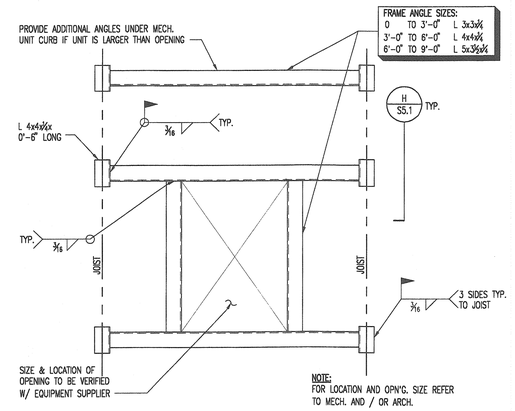
D TYP. METAL DECK
S5.02 SCALE: 1 3/8"=1'-0"



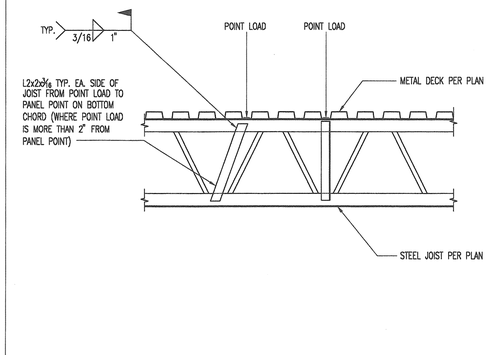
E GLB TO COLMN CONN.
S5.02 SCALE: 3/4"=1'-0"



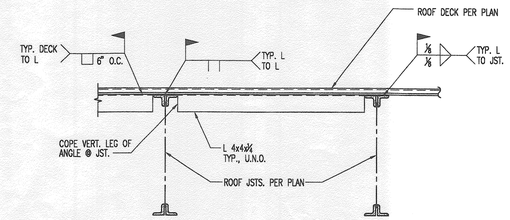
F G.L. TO G.L. BEAM CONNECTION
S5.02 SCALE: 3/4"=1'-0"



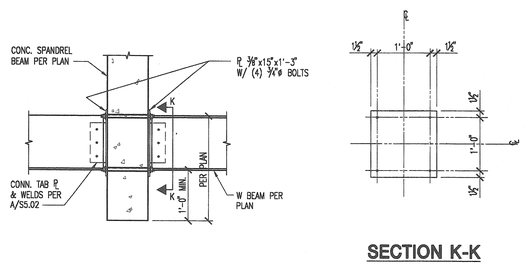
G TYP. ROOF DECK OPENING DETAIL
S5.02 SCALE: 3/4"=1'-0"



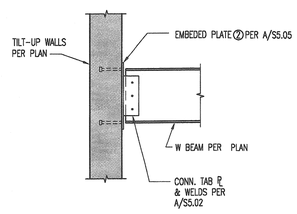
H POINT LOAD ON STEEL JOIST
S5.02 SCALE: 3/4"=1'-0"



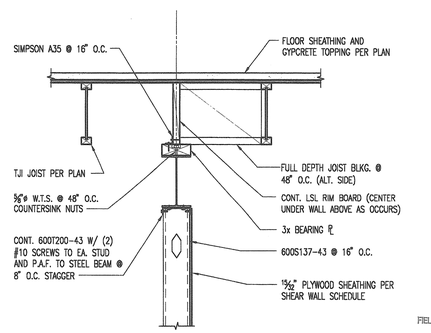
J TYP. ANGLE CONNECTION DETAIL
S5.02 SCALE: 3/4"=1'-0"



K STEEL BEAMS TO SPANDREL BEAM
S5.02 SCALE: 3/4"=1'-0"



L STEEL BEAM TO TILT-UP WALL
S5.02 SCALE: 3/4"=1'-0"



M TJI JOIST PARALLEL TO SHEAR WALL
S5.02 SCALE: 1 1/2"=1'-0"

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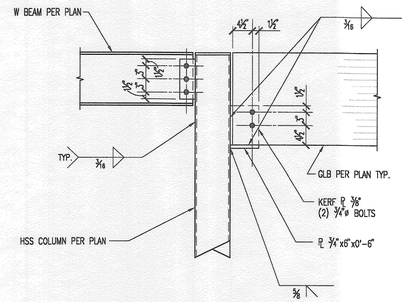
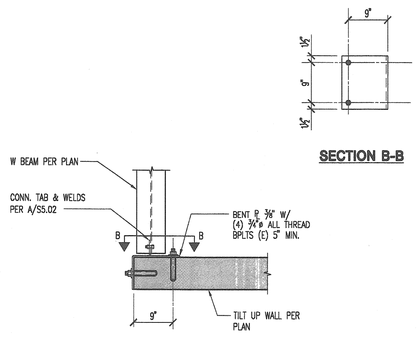
S5.02



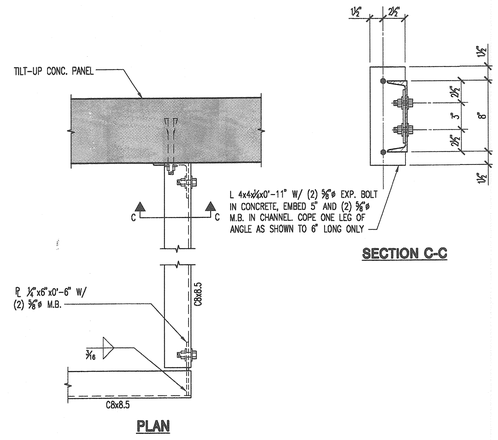
A S5.04 GLB & W BEAM TO HSS COLUMN

SCALE: 3/4"=1'-0"



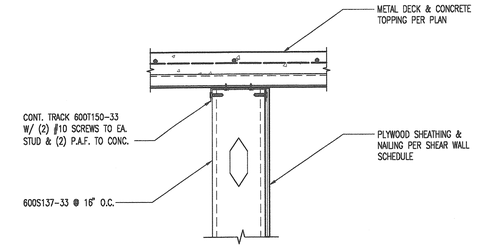
B S5.04 W BEAM TO TILP-UP WALL PANEL

SCALE: 3/4"=1'-0"



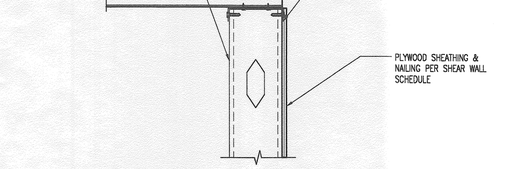
C S5.04 TYP. CAT WALK EDGE DETAIL

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



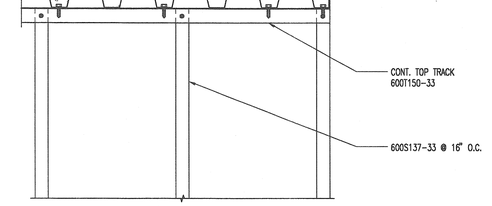
D S5.04 DECK OVER STUD WALL @ STAGE

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



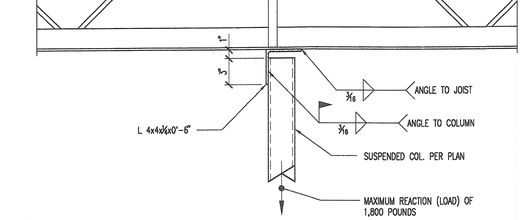
E S5.04 STAGE FRAMING @ SIDE EDGE

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



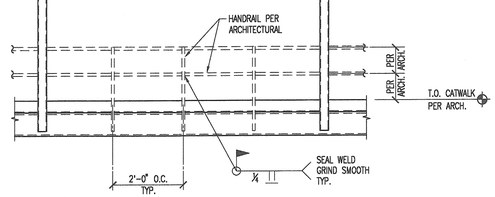
F S5.04 STAGE FRAMING @ FRONT EDGE

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



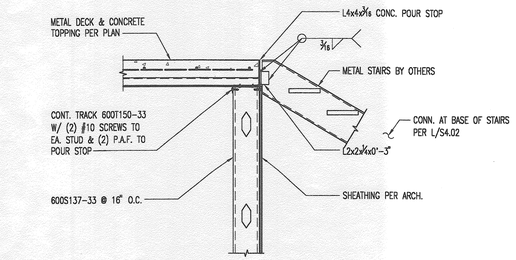
G S5.04 CATWALK SUPPORT

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



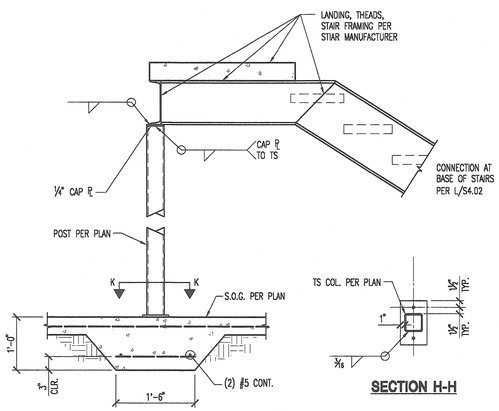
H S5.04 TYP. CATWALK HANGER SUPPORT

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



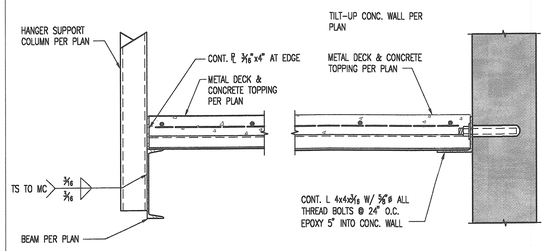
J S5.04 STAIR AT STAGE

SCALE: 3/4"=1'-0"



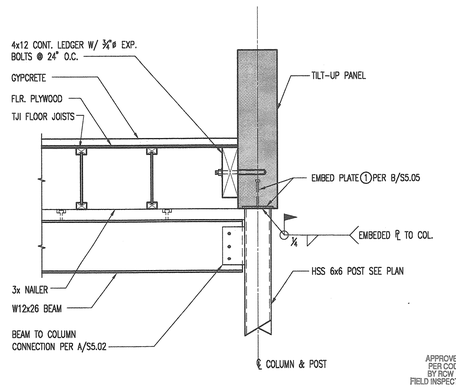
K S5.04 TYP. STAIR LANDING

SCALE: 3/4"=1'-0"



L S5.04 TYP. CATWALK SECTION

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



M S5.04 STEEL BEAM TO COLUMN AND PANEL CONN

SCALE: 3/4"=1'-0"

APPROVED TO CONSTRUCT PER CODES AS REQUIRED BY ROW 19.27 SUBJECT TO FIELD INSPECTION AND CORRECTION

MAR 19 2007

CITY OF SAMMAMISH

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AKB ENGINEERS, INC.

ARJAN K. BHAGAT — STATE OF WASHINGTON — 17702 — REGISTERED PROFESSIONAL ENGINEER
4-17-06
EXPIRES: 12-06-06

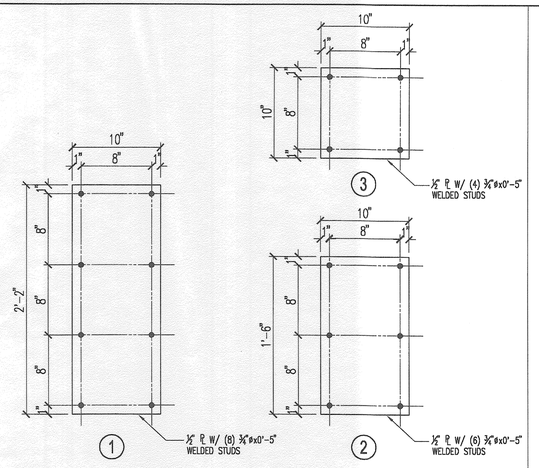
ISSUE DATE: PERMIT SET
REVISIONS:

DETAILS

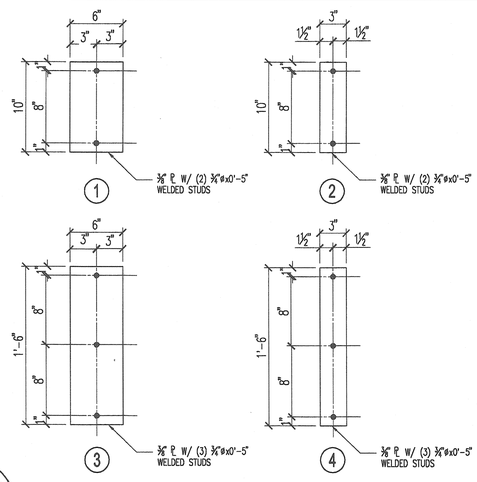
JOB NO: 03101

EVERGREEN CHRISTIAN FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

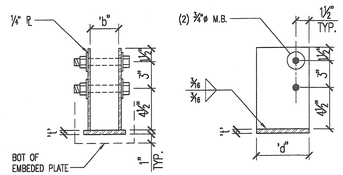
S5.04



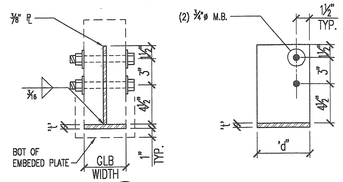
A S5.05 SCALE: 1 1/2"=1'-0"



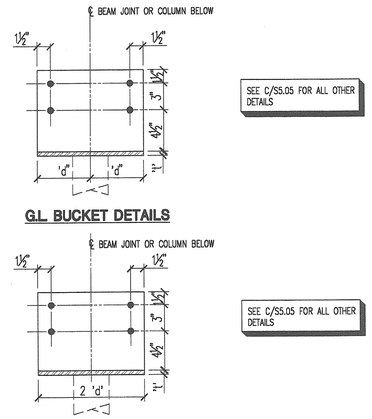
B S5.05 SCALE: 1 1/2"=1'-0"



SCHEDULE			
GLB WIDTH	b	t	d
⅜	¾	½	6"
⅝	¾	⅝	7"
⅝	⅞	¾	8"
⅝	⅞	1"	9"

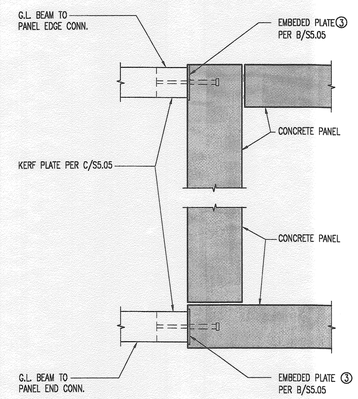


C S5.05 SCALE: 1 1/2"=1'-0"



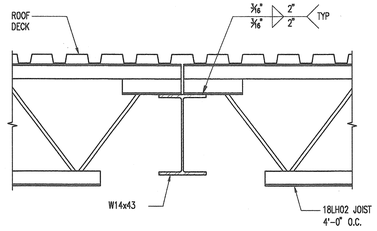
D S5.05 SCALE: 1 1/2"=1'-0"

TOP BEAM SEAT OVER COLUMN



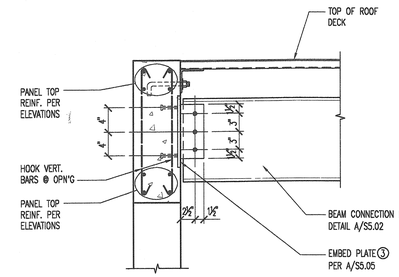
E S5.05 SCALE: 1"=1'-0"

TYP. BEAM TO PANEL EDGE OR END CONN.



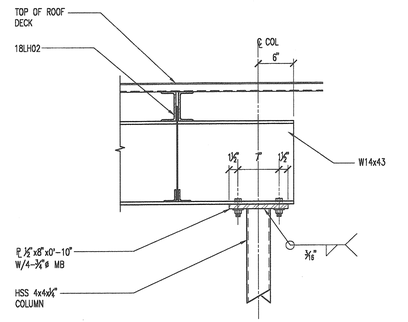
F S5.05 SCALE: 1"=1'-0"

SECTON @ BEAM SUPPORT



G S5.05 SCALE: 1"=1'-0"

BEAM SUPPORT @ PANEL

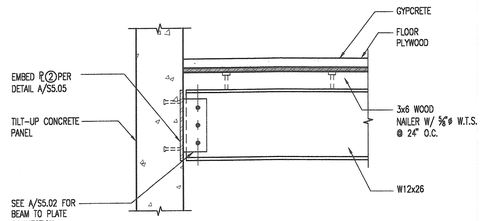


H S5.05 SCALE: 1"=1'-0"

BEAM SUPPORT @ COLUMN

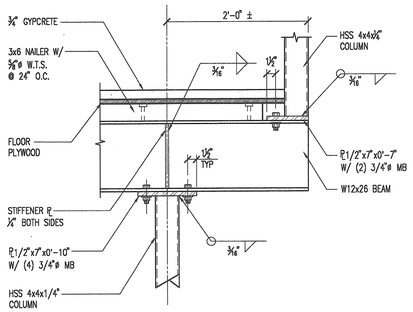
J S5.05 SCALE: 1"=1'-0"

K S5.05 SCALE: 1"=1'-0"



L S5.05 SCALE: 1"=1'-0"

FLOOR BEAM TO PANEL CONN.



M S5.05 SCALE: 1"=1'-0"

FLOOR BEAM TO COLUMN CONN.

APPROVED TO CONSTRUCT PER CODES AS REQUIRED BY RCW 19.27 SUBJECT TO FIELD INSPECTION AND CORRECTION
MAR 19 2007
CITY OF SAMMAMISH

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7.17.06

ISSUE DATE:	4/28/06
REVISIONS:	PERMIT SET

DETAILS

JOB NO: 03101

EVERGREEN CHRISTIAN FELLOWSHIP
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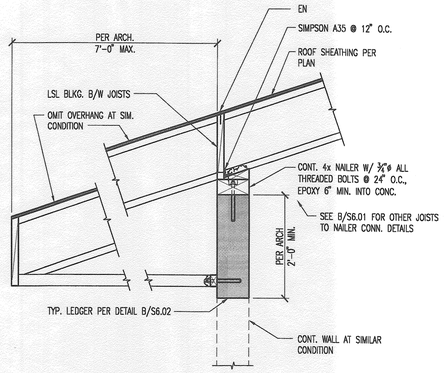
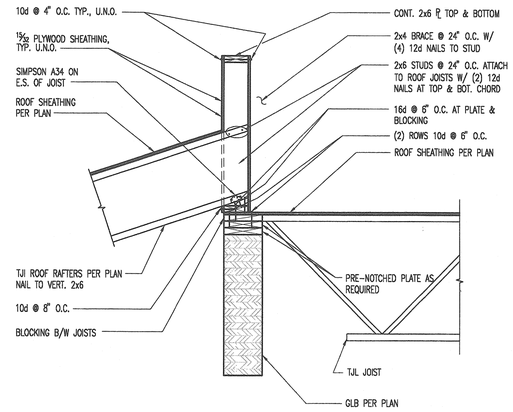
S5.05



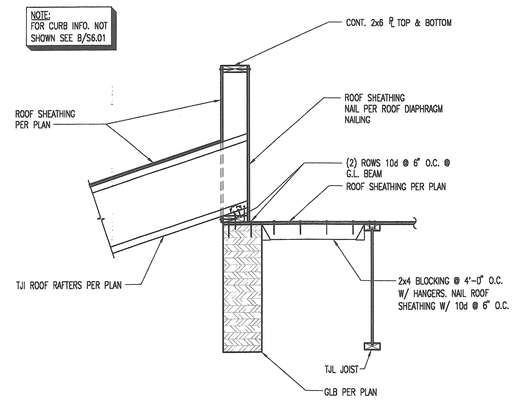
A ROOF JOIST OVER CONC. WALL

S6.01 SCALE: 3/4"=1'-0"



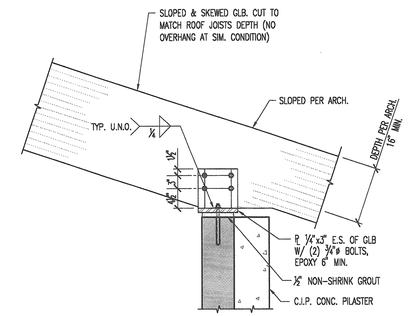
B ROOF JOIST TO GLB

S6.01 SCALE: 3/4"=1'-0"



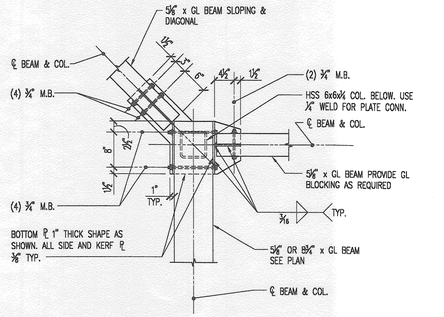
C TJL JOIST PARALLEL TO GLB

S6.01 SCALE: 3/4"=1'-0"



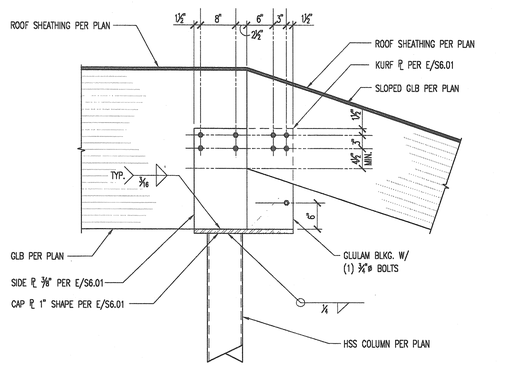
D SLOPED ROOF RIDGE BEAM AT CORNER

S6.01 SCALE: 1 3/8"=1'-0"



E SLOPED BEAM CONN. AT COLUMN

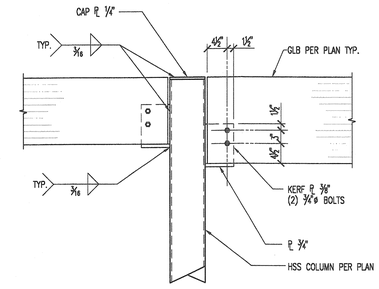
S6.01 SCALE: 3/4"=1'-0"



ELEV. VIEW

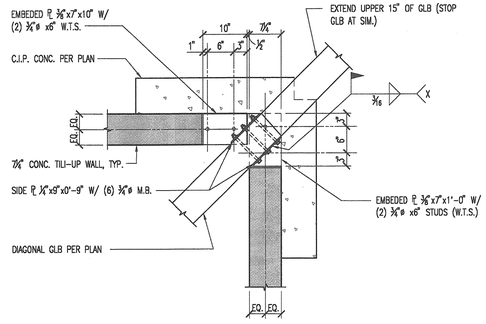
F SLOPED BEAM CONN. AT COLUMN

S6.01 SCALE: 3/4"=1'-0"



G GLB TO COLUMN CONN.

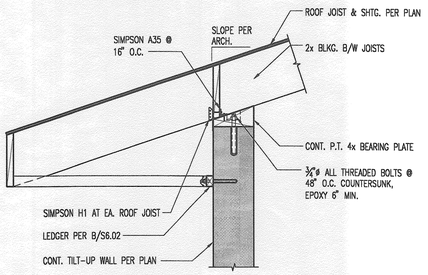
S6.01 SCALE: 3/4"=1'-0"



PLAN VIEW

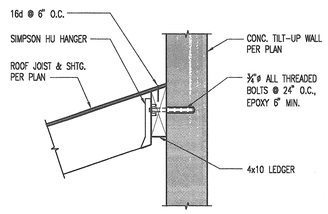
H SLOPED ROOF RIDGE BEAM CORNER CONN.

S6.01 SCALE: 3/4"=1'-0"



J LOW ROOF OVER TILT-UP WALL CONN.

S6.01 SCALE: 3/4"=1'-0"



K LOW ROOF TO TILT-UP WALL CONN.

S6.01 SCALE: 3/4"=1'-0"

L

S6.01 SCALE: 3/4"=1'-0"

M

S6.01 SCALE: 1 1/2"=1'-0"

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AKB ENGINEERS, INC.

7-17-06
ISSUE DATE: 4/20/06
REVISIONS: PERMIT SET

FOUNDATION DETAILS

JOB NO: 03101

EVERGREEN CHRISTIAN FELLOWSHIP
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SAMMAMISH, WASHINGTON 98074

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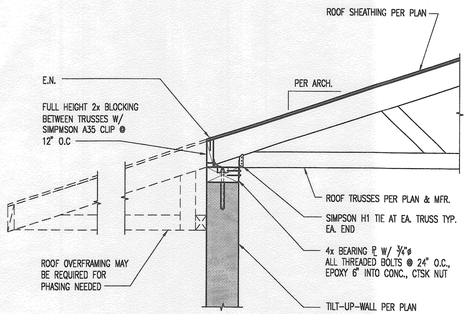
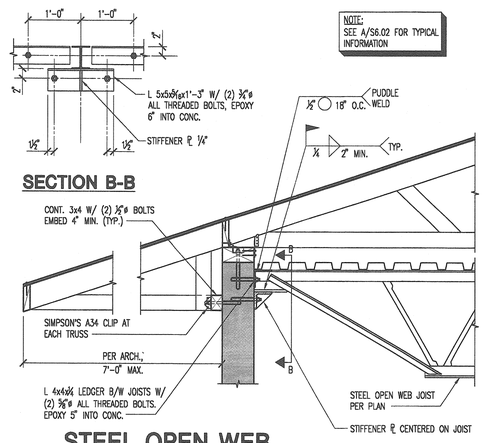
MAR 19 2007
CITY OF SAMMAMISH

S6.01



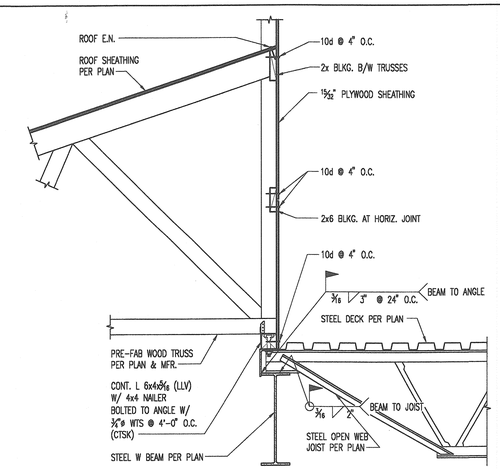
A PRE-FAB WOOD TRUSS OVER CONCRETE WALL

S6.02 SCALE: 3/4"=1'-0"



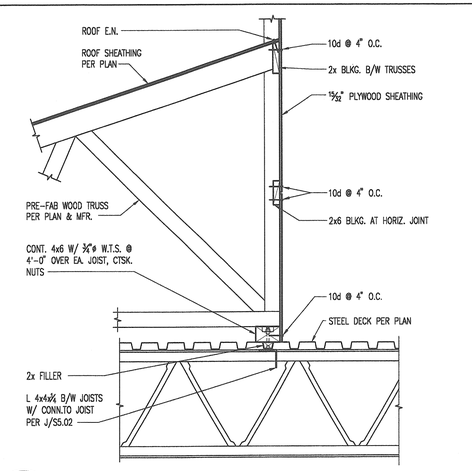
B STEEL OPEN WEB JOIST PERP. TO WALL AT ROOF

S6.02 SCALE: 3/4"=1'-0"



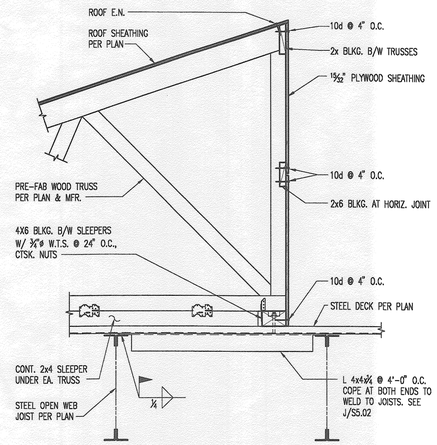
C ROOF TRUSS & JOIST CONN.

S6.02 SCALE: 3/4"=1'-0"



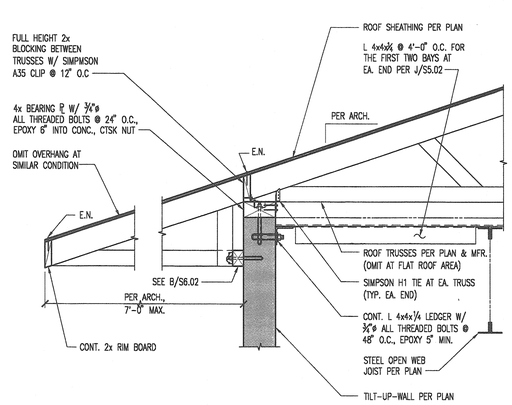
D ROOF JOIST PARALLEL TO STEEL JOIST

S6.02 SCALE: 1 3/8"=1'-0"



E ROOF TRUSS PERP. TO STEEL JOIST

S6.02 SCALE: 3/4"=1'-0"

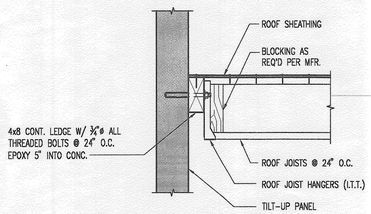


F STEEL OPEN WEB JOIST PARALLEL TO WALL AT ROOF

S6.02 SCALE: 3/4"=1'-0"

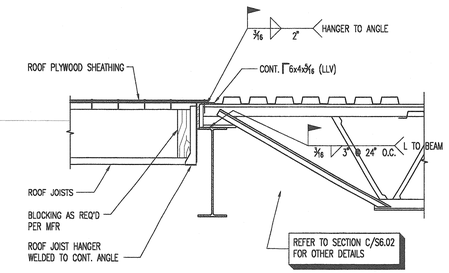
S6.02 SCALE: 3/4"=1'-0"

S6.02 SCALE: 3/4"=1'-0"



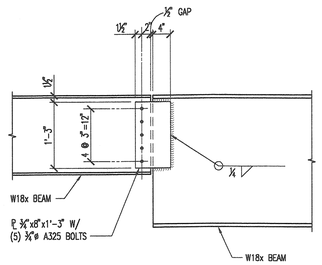
J CONC. PANEL TO ROOF JOIST (TJI) CONN.

S6.02 SCALE: 3/4"=1'-0"



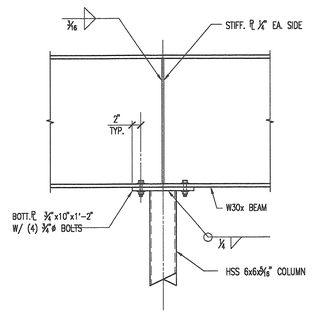
K ROOF JOIST (TJI) @ STEEL BEAM

S6.02 SCALE: 3/4"=1'-0"



L BEAM TO BEAM CONN.

S6.02 SCALE: 3/4"=1'-0"



M

S6.02 SCALE: 3/4"=1'-0"

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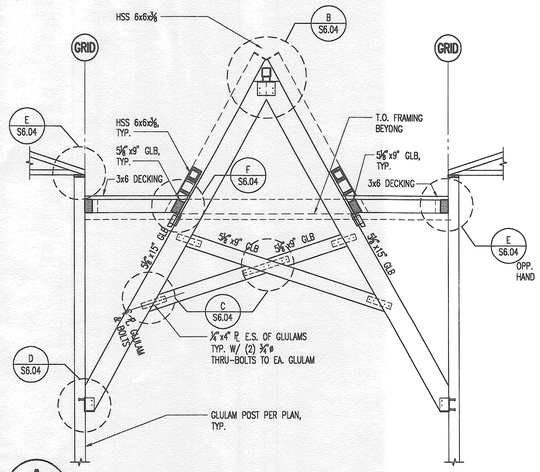
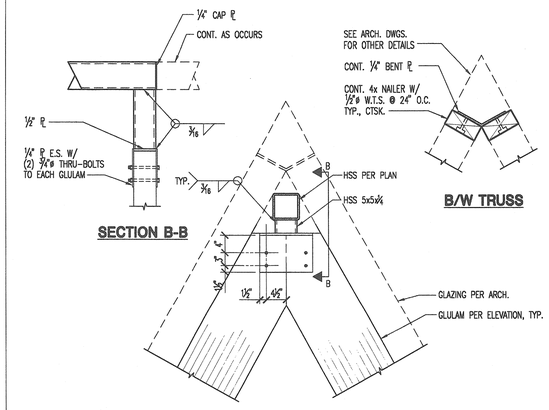
MAR 19 2007
CITY OF SAMMAMISH

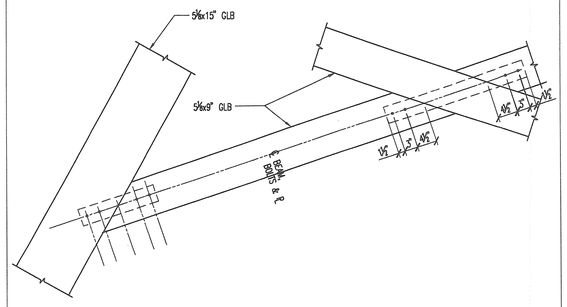
S6.02



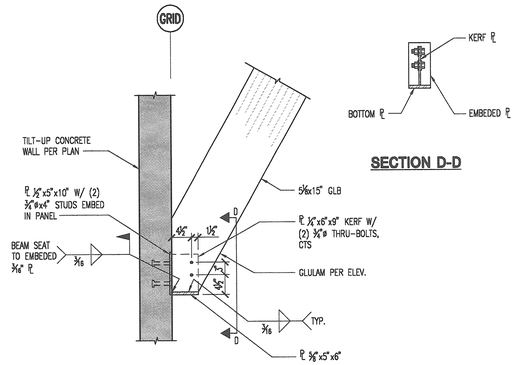
A S6.04 SCALE: 1/4"=1'-0"



B S6.04 SCALE: 3/4"=1'-0"



C S6.04 SCALE: 3/4"=1'-0"



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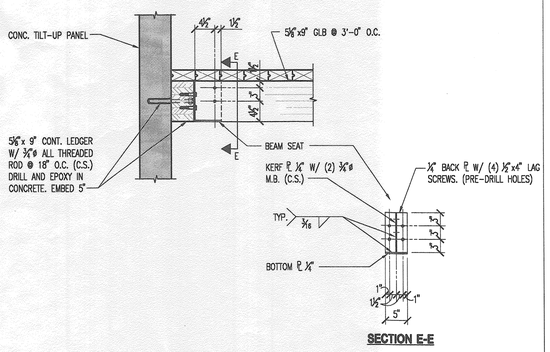

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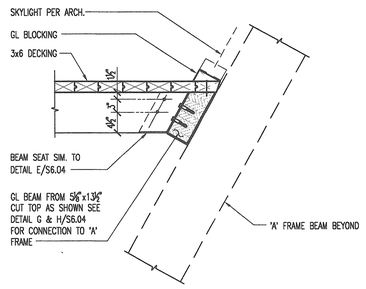
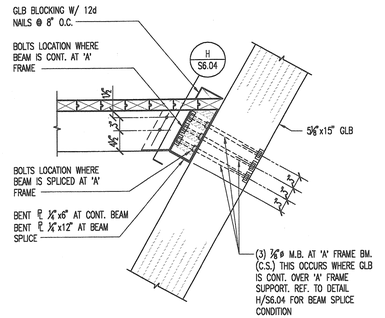
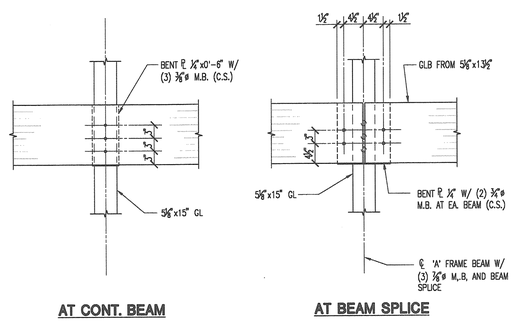


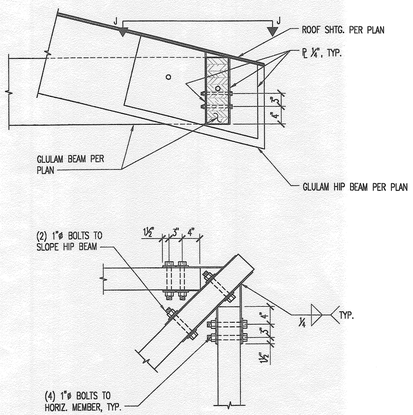
F S6.04 SCALE: 3/4"=1'-0"



G S6.04 SCALE: 3/4"=1'-0"



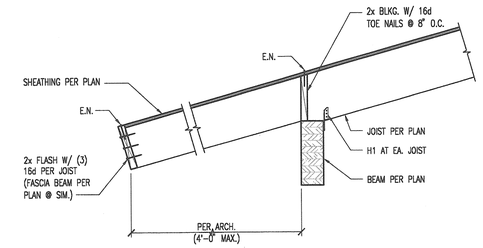
H S6.04 SCALE: 3/4"=1'-0"



J S6.04 SCALE: 3/4"=1'-0"

K S6.04 SCALE: 3/4"=1'-0"

L S6.04 SCALE: 3/4"=1'-0"



M S6.04 SCALE: 3/4"=1'-0"

APPROVED TO CONSTRUCT PER CODES AS REQUIRED BY RCW 19.27 SUBJECT TO FIELD INSPECTION AND CORRECTION

MAR 19 2007

CITY OF SAMMAMISH

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ASHUN K. BALAGAT
STATE OF WASHINGTON
17201
REGISTERED PROFESSIONAL ENGINEER
7-17-06
EXPIRES: 12-06-06

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AKB JOB No. 203-189
AKB ENGINEERS, INC.

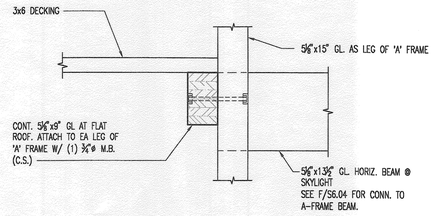
ISSUE DATE: 4/28/06 7-17-06
REVISIONS: PERMIT SET

DETAILS

JOB NO: 03101

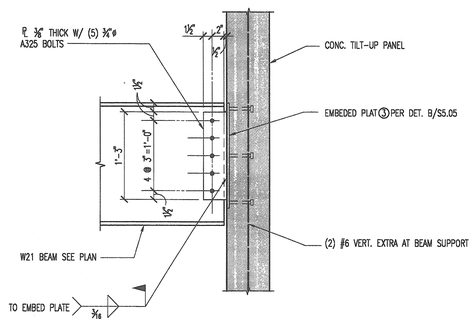
EVERGREEN CHRISTIAN FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

S6.04



A S6.05 **TYP. DETAIL @ SKYLIGHT END**

SCALE: 1"=1'-0"

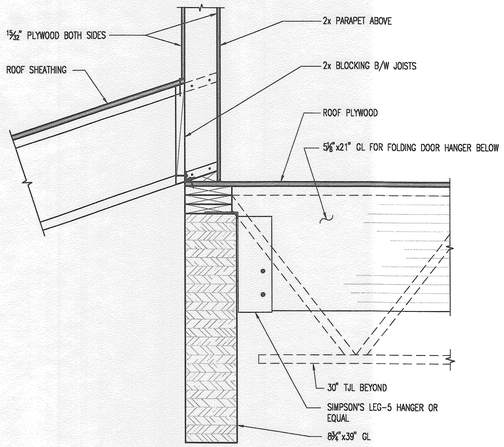


B S6.05 **STEEL BEAM TO CONC. PANEL CONN.**

SCALE: 1"=1'-0"

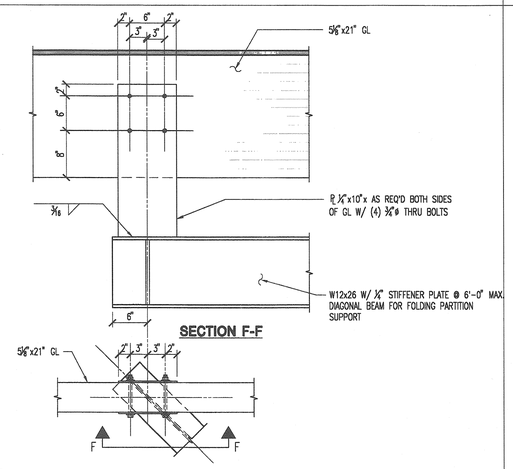
C S6.05 SCALE: 1"=1'-0"

D S6.05 SCALE: 1"=1'-0"



E S6.05 **GL BEAM TO GL BEAM CONN.**

SCALE: 1"=1'-0"



F S6.05 **HANGER SUPPORT DETAIL**

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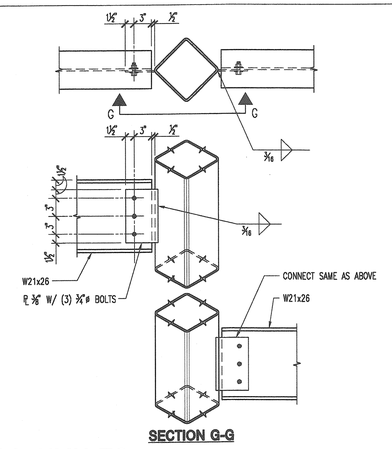
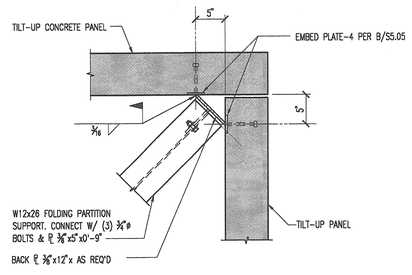


G S6.05 **COLUMN TO FOLDING PARTITION BEAM SUPPORT**

SCALE: 1"=1'-0"



H S6.05 **F.P. SUPPORT BEAM CONN. AT PANELS**

SCALE: 1"=1'-0"

J S6.05 SCALE: 1"=1'-0"

K S6.05 SCALE: 1"=1'-0"

L S6.05 SCALE: 1"=1'-0"

M S6.05 SCALE: 1"=1'-0"

APPROVED TO CONSTRUCT
PER CODES AS REQUIRED
BY RCW 19.27 SUBJECT TO
FIELD INSPECTION AND CORRECTION
MAR 19 2007
CITY OF SAMMAMISH

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AKB JOB No. 203-189
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ARJAN K. BHAGAT — STATE OF WASHINGTON — 17982 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES: 12-06-06

ISSUE DATE: 6 PERMIT SET 7-17-06
REVISIONS:

DETAILS

JOB NO: 03101

EVERGREEN CHRISTIAN FELLOWSHIP
120 228TH AVENUE NE
SAMMAMISH, WASHINGTON 98074

S6.05

Lighting - General Requirements

1513 Lighting Controls. Lighting, including exempt lighting in Section 1512, shall comply with this section. Where occupancy sensors are cited, they shall have the features listed in Section 1513.6.1. Where automatic time switches are cited, they shall have the features listed in Section 1513.6.2.

1513.1 Local Control and Accessibility: Each space, enclosed by walls or ceiling-height partitions, shall be provided with lighting controls located within that space. The lighting controls, whether one or more, shall be capable of turning off all lights within the space. The controls shall be readily accessible, at the point of entry/exit, to personnel occupying or using the space.

EXCEPTIONS: The following lighting controls may be centralized in remote locations:

1. Lighting controls for spaces which must be used as a whole.
2. Automatic controls.
3. Controls requiring trained operators.
4. Controls for safety hazards and security.

1513.2 Area Controls: The maximum lighting power that may be controlled from a single switch or automatic control shall not exceed that which is provided by a twenty ampere circuit loaded to not more than eighty percent. A master control may be installed provided the individual switches retain their capability to function independently. Circuit breakers may not be used as the sole means of switching.

EXCEPTIONS:

1. Industrial or manufacturing process areas, as may be required for production.
2. Areas less than five percent of footprint for footprints over 100,000 square feet.

1513.3 Daylight Zone Control: All daylighted zones, as defined in Chapter 2, both under overhead glazing and adjacent to vertical glazing, shall be provided with individual controls, or daylight-or occupant-sensing automatic controls, which control the lights independent of general area lighting.

Contiguous daylight zones adjacent to vertical glazing are allowed to be controlled by a single controlling device provided that they do not include zones facing more than two adjacent cardinal orientations (i.e. north, east, south, west). Daylight zones under overhead glazing more than 15 feet from the perimeter shall be controlled separately from daylight zones adjacent to vertical glazing.

EXCEPTION:

Daylight spaces enclosed by walls or ceiling height partitions and containing 2 or fewer light fixtures are not required to have a separate switch for general area lighting.

1513.4 Display, Exhibition, and Specialty Lighting Controls: All display, exhibition, or specialty lighting shall be controlled independently of general area lighting.

1513.5 Automatic Shut-Off Controls, Exterior: Exterior lighting not intended for 24-hour continuous use shall be automatically switched by timer, photocell, or a combination of timer and photocell. Automatic time switches must also have program back-up capabilities, which prevent the loss of program and time settings for at least 10 hours, if power is interrupted.

1513.6 Automatic Shut-Off Controls, Interior: Buildings greater than 5,000 sq. ft. and all school classrooms shall be equipped with separate automatic controls to shut off the lighting during unoccupied hours. Within these buildings, all office areas less than 300 ft² enclosed by walls or ceiling-height partitions, and all meeting and conference rooms, and all school classrooms, shall be equipped with occupancy sensors that comply Section 1513.6.1. For other spaces, automatic controls may be an occupancy sensor, time switch, or other device capable of automatically shutting off lighting.

EXCEPTIONS:

1. Areas that must be continuously illuminated (e.g., 24-hour convenience stores), or illuminated in a manner requiring manual operation of the lighting.
2. Emergency lighting systems.
3. Switching for industrial or manufacturing process facilities as may be required for production.
4. Hospitals and laboratory spaces.
5. Areas in which medical or dental tasks are performed are exempt from the occupancy sensor requirement.

1513.6.1 Occupancy Sensors: Occupancy sensors shall be capable of automatically turning off all the lights in an area, no more than 30 minutes after the area has been vacated. Light fixtures controlled by occupancy sensors shall have a wall-mounted, manual switch capable of turning off lights when the space is occupied.

1513.6.2 Automatic Time Switches: Automatic time switches shall have a minimum 7 day clock and be capable of being set for 7 different day types per week and incorporate an automatic holiday "shut-off" feature, which turns off all loads for at least 24 hours and then resumes normally scheduled operations. Automatic time switches shall also have program back-up capabilities, which prevent the loss of program and time settings for at least 10 hours, if power is interrupted.

Automatic time switches shall incorporate an over-ride switching device which:

a) is readily accessible;
b) is located so that a person using the device can see the lights or the areas controlled by the switch, or so that the area being illuminated is annunciated; and
c) is manually operated;
d) allows the lighting to remain on for no more than two hours when an over-ride is initiated; and
e) controls an area not exceeding 5,000 square feet or 5 percent of footprint for footprints over 100,000 square feet, whichever is greater.

1513.7 Commissioning Requirements: For lighting controls which include daylight or occupant sensing automatic controls, automatic shut-off controls, occupancy sensors, or automatic time switches, the lighting controls shall be tested to ensure that control devices, components, equipment and systems are calibrated, adjusted and operate in accordance with approved plans and specifications. Sequences of operation shall be functionally tested to ensure they operate in accordance with approved plans and specifications. A complete report of test procedures and results shall be prepared and filed with the owner. Drawing notes shall require commissioning in accordance with this paragraph.

Lighting Summary

2004 Washington State Nonresidential Energy Code Compliance Forms — Revised — July 2004

Project Info			
Project Address	EVERGREEN CHRISTIAN FELLOWSHIP	Date	11/8/2006
	120 228TH AVE NE	For Building Department Use	
	SAMMAMISH, WA. 98074		
Applicant Name:	CASE ENGINEERING		
Applicant Address:	10614 BEARDSLEE BLVD, STE C		
Applicant Phone:	425-402-9400		

Project Description	
Compliance Option	LIGHTING POWER ALLOWANCE

Maximum Allowed Lighting Wattage (Interior)

Location	Occupancy Description	Allowed W/SF	Area in ft2	Allowed Watts
1 62 FLR	OFFICE	1.00	31000.0	31000.0
	GALLERY, MULTIPURPOSE RM	1.30	9010.0	11713.0
				0.0
** From Table 15-1 (over) – document all exceptions on form LTG-LPA			Total Allowed Watts	42713.0

Proposed Lighting Wattage (Interior)

Location	Fixture Description	# of Fixtures	W/Fixt	W Proposed
	F2-2x4, 2 LAMP RECESSED TROFFER	105	62.0	6510.0
	F3-2x4, 3 LAMP RECESSED TROFFER	9	93.0	837.0
	F4-1x4 SURFACE MOUNTED FLUORESCENT, 2 LAMP	33	62.0	2046.0
	F5-2' SURFACE MTD LINEAR FLUORESCENT	2	34.0	68.0
	F7-4' PENDANT MTD LINEAR FLUORESCENT	56	62.0	3472.0
	F8-4' LINEAR FLUORESCENT WALL MTD	11	62.0	682.0
	F10-4' INDUSTRIAL TURRET FIXTURE, 2 LAMP	5	62.0	310.0
	F11-PENDANT MOUNTED METAL HALIDE	27	210.0	5670.0
	F12-8' INDUSTRIAL TURRET FIXTURE, 4 LAMP	9	124.0	1116.0
	F14-RECESSED DOWNLIGHT	28	36.0	1008.0
				0.0
Total Proposed Watts may not exceed Total Allowed Watts for Interior			Total Proposed Watts	21719.0

Lighting Permit Plans Checklist — LTG-CHK

2004 Washington State Nonresidential Energy Code Compliance Forms — Revised – July 2006

Project Address: EVERGREEN CHRISTIAN FELLOWSHIP — Date: 2/21/2007

Applicability (yes, no, n.a.)		Code Section	Component	Information Required	Location on Plans	Building Department Notes
LIGHTING CONTROLS (Section 1513)						
yes	1.0	1513.1	Local control/access	Schedule with type, indicate locations	E1.2,E2.2	
yes	1.0	1513.2	Area controls	Maximum limit per switch	E1.2,E2.2	
yes	1	1513.3	Daylight zone control	Schedule with type and features, indicate locations		
yes	1.0		vertical glazing	Indicate vertical glazing on plans	E1.2,E2.2	
yes	1.0		overhead glazing	Indicate overhead glazing on plans	E1.2,E2.2	
n.a.	3.0	1513.4	Display/exhib./special	Indicate separate controls		
		1513.5	Exterior shut-off	Schedule with type and features, indicate location		
n.a.	3.0		(a) timer w/backup	Indicate location		
n.a.	3.0		(b) photocell,	Indicate location		
		1513.6	Inter. auto shut-off	Indicate location		
yes	1.0	1513.6.1	(a) occup. sensors	Schedule with type and locations	E1.2,E2.2	
yes	1.0	1513.6.2	(b) auto. switches	Schedule with type and features (back-up, override capability), indicate size of zone on plans	E1.2,E2.2	
yes	1		Lighting Sum. Form	Completed and attached. Schedule with fixture types, lamps, ballasts, watts per fixture	E0.2	

NOTES:

1. PROVIDE LIGHTING CONTROL PANEL MEETING ALL WASHINGTON STATE ENERGY CODE REQUIREMENTS TO PROVIDE AUTOMATIC SHUTOFF OF ALL LIGHTING DURING UNOCCUPIED HOURS.
2. ALL OCCUPANCY SENSORS SHALL COMPLY WITH WASHINGTON STATE ENERGY CODE.

1

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMP	WATTS /FIXT
	INTERIOR		
F1	NOT USED		
F2	2' x 4' 3 LAMP FLUORESCENT LAY-IN WITH 3" DEEP LOW IRIDESCENT PARABOLIC LOUVER (18 CELL). COLUMBIA #P424-332G-LD36-S DAYBRITE #2P3GS332-36FL LIGHTOLIER #DPS2G18LS332 LITHONIA #2PM3NGB-332-18LD METALUX #2P3G-332-S36I	(3) F32T8/835	96
F3	2' x 4' 3 LAMP FLUORESCENT LAY-IN WITH FLAT WHITE STEEL HINGED DOOR, 0.125" PRISMATIC ACRYLIC LENS. COLUMBIA #4PS24-332G-FS-A12 DAYBRITE #2DG332-FS12 LIGHTOLIER #SPS2GFSVB332 LITHONIA #2SP8-G-332-A12125 METALUX #2GC-332A125	(3) F32T8/835	96
F4	5"x4' SURFACE MOUNTED FLUORESCENT, FLAT WHITE STEEL WITH WRAPAROUND WHITE ACRYLIC LENS. COLUMBIA #AD232 DAYBRITE #WB232 LIGHTOLIER # LSW232 LITHONIA #CS232 METALUX # CR232	(2) F32T8/835	48
F4X	SIMILAR TO F4 EXCEPT WITH EMERGENCY BATTERY BACK-UP BALLAST. COLUMBIA #AD232 DAYBRITE #WB232 LIGHTOLIER # LSW232 LITHONIA #CS232 METALUX # CR232	(2) F32T8/835	48
F5	6"x2' SURFACE MOUNTED FLUORESCENT, FLAT WHITE STEEL WITH WRAPAROUND WHITE ACRYLIC LENS. COLUMBIA #AD217 DAYBRITE #WB217 LIGHTOLIER #LSW217 LITHONIA #CS217 METALUX #CR217	(2) F17T8/835	34
F6	NOT USED		
F7	1'x4' DIRECT/INDIRECT FLUORESCENT PENDANT WITH WHITE STEEL HOUSING, WITH WHITE CROSS BLADES WITH MOUNTING HARDWARE WITH 90 DEGREE CORNERS WITH A FINISH TO MATCH HOUSING. FINELITE SERIES 10 PEERLESS CERRA ID LIGHTOLIER EYEQ	(2) F32T8/835	62
F8	4'x6"x4" WALL MOUNT FLUORESCENT TO WITH PERFORATED METAL DIFFUSER, WHITE STEEL END CAPS AND HOUSING. ICON PERFWM-100023 OR	(2) F32T8/835	62
F8alt	4'x9"x4" WALL MOUNT FLUORESCENT TO WITH PERFORATED METAL DIFFUSER, WHITE STEEL END CAPS AND HOUSING. LIGHTOLIER ALTER QVW8SPFOS232		
F8X	SIMILAR TO F8 EXCEPT WITH EMERGENCY BACK-UP BALLAST ICON PERFWM-100023-PK OR	(2) F32T8/835	62
F8Xalt	SIMILAR TO F8 EXCEPT WITH EMERGENCY BACK-UP BALLAST LIGHTOLIER ALTER QVW8SPFOS232-EM		
F9	NOT USED		
F10	4' 2 LAMP HEAVY DUTY INDUSTRIAL TURRET WITH UPLIGHT REFLECTOR. WHITE ENAMEL FINISH. CHAIN MOUNT TO AVOID MECHANICAL EQUIPMENT. COLUMBIA #KL4-232-VR DAYBRITE #2F32-PR LIGHTOLIER #TFA 232RS LITHONIA #AF 232 METALUX #DIM-232	(2) F32T8/835	62
F11	PENDANT MOUNTED 175w METAL HALIDE LUMINAIRE, NOMINALLY 22" HIGH BY 16.25 DIAMETER WITH SEMI-SPECULAR REFLECTOR WITH STEM MOUNTING. LIGHTOLIER #40431-408363-404S	(1) 175W MH ED17	210
F11X	PENDANT MOUNTED 175w METAL HALIDE LUMINAIRE, NOMINALLY 22" HIGH BY 16.25 DIAMETER WITH SEMI-SPECULAR REFLECTOR WITH STEM MOUNTING AND QUARTZ RESTRIKE LAMP. LIGHTOLIER #40431-408363-404S	(1) 175W MH ED17	210
F12	8' 2 LAMP CROSS SECTION HEAVY DUTY INDUSTRIAL TURRET	(4) F32T8/835	124
F13	NOT USED		
F14	RECESSED COMPACT FLUORESCENT DOWNLIGHT, NOMINALLY 10" BY 12" WITH A WITH CLEAR ALZAK REFLECTOR WITH A 6" APERTURE. LITHONIA #AFV-32TRT-6AR-120 INFINITY PV60-132T-EB-BH PRESCOLITE CT632EB-STF602-B24 OMEGA OM632PLTCS	(1)CFTRT32W/835	32
F14X	SAME AS TYPE F2 WITH EMERGENCY BATTERY BALLAST & TEST SWITCH. BALLASTS FOR FIXTURES LOCATED IN HARD CEILINGS MUST BE ACCESSIBLE. SWITCH FIXTURE LITHONIA #AFV-32TRT-6AR-ELR INFINITY PV60-132TEB-BH-EM PRESCOLITE CT632EB-EM-STF602-B24 COLUMBIA LB8-232-EB8120 OMEGA OM632PLTCS-EM	(1)CFTRT32W/835	32
X1	EXIT SIGN WITH INTEGRAL BATTERY PACK, DUAL PATHWAY LAMP HEADS, WHITE HOUSING & GREEN STENCIL FACE LETTERING. MOUNT AT 8'-0" AFF UON. LITHONIA #LHQM-S-3G-120/277-N CHLORIDE EGC2AD DUAL-LITE LTUGW MULE SQR SERIES	LED	25
X2	DUAL HEAD EMERGENCY BATTERY PACK. MOUNT AT 8'-0" AFF UON. LITHONIA #ELM2 CHLORIDE GM2 DUAL LITE LZ2 MULE SQ SERIES	(2)5.4WEDGE	20

CASE ENGINEERING
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MODULAR ELECTRIC
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(425) 822-2012

1 Permit Corrections 02/21/07

Rev. #: Revision: Date:

Project Title:

PHASE I
Construction for

EVERGREEN CHRISTIAN FELLOWSHIP

120 228th Avenue NE
Sammamish, WA 98074

Sheet Title:

LIGHTING FIXTURE SCHEDULE

APPROVED TO CONSTRUCT PER CODES AS REQUIRED BY RCW 19.27 SUBJECT TO FIELD INSPECTION AND CORRECTION

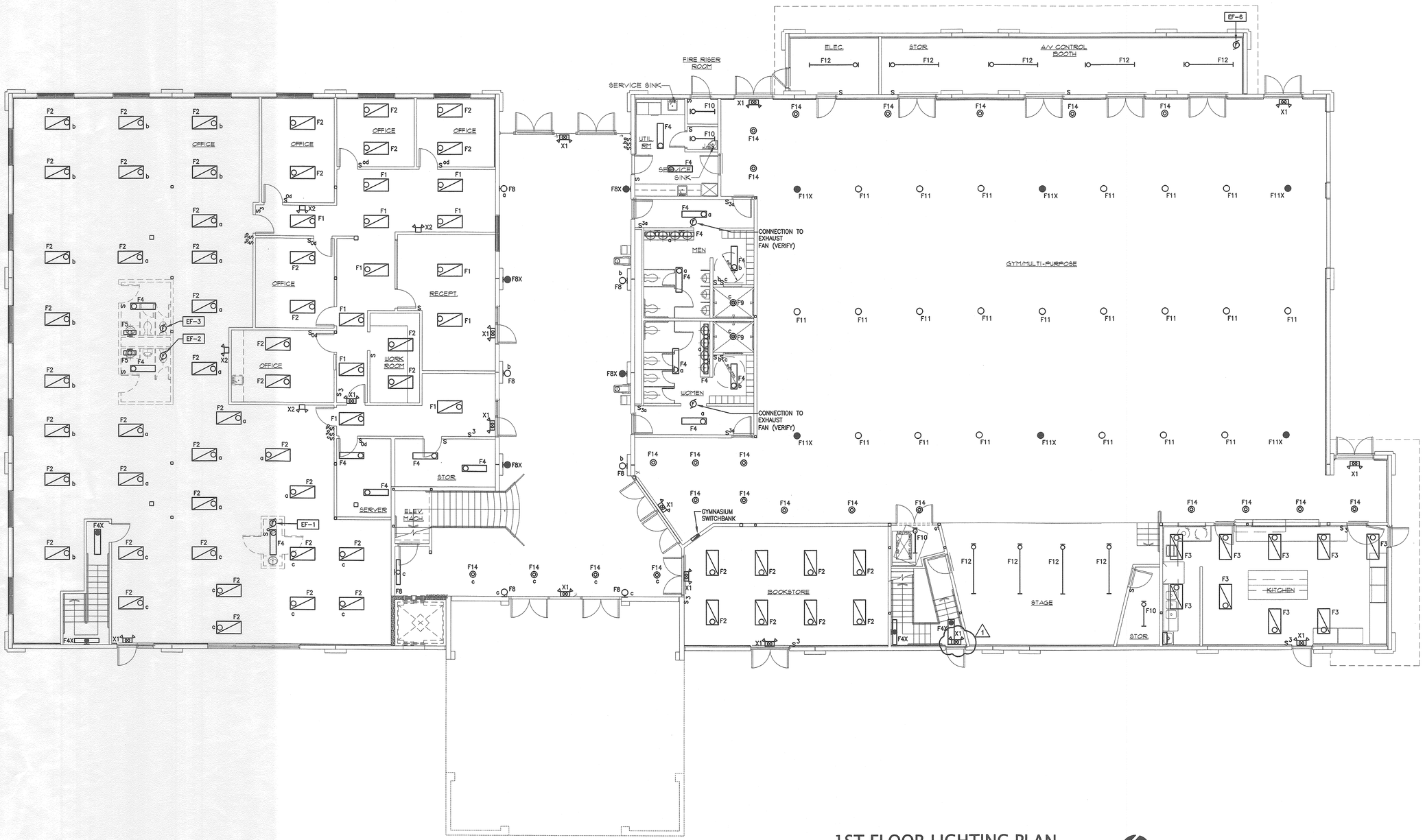
MAR 19 2007

CITY OF SAMMAMISH

Designed By: MSC
Drawn By: CJP
Project No: 5038
Date: 10/26/06

Sheet Number:

E0.2



1ST FLOOR LIGHTING PLAN

SCALE: 1/8" = 1'-0"

NORTH

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Designed By: MSC
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E1.2

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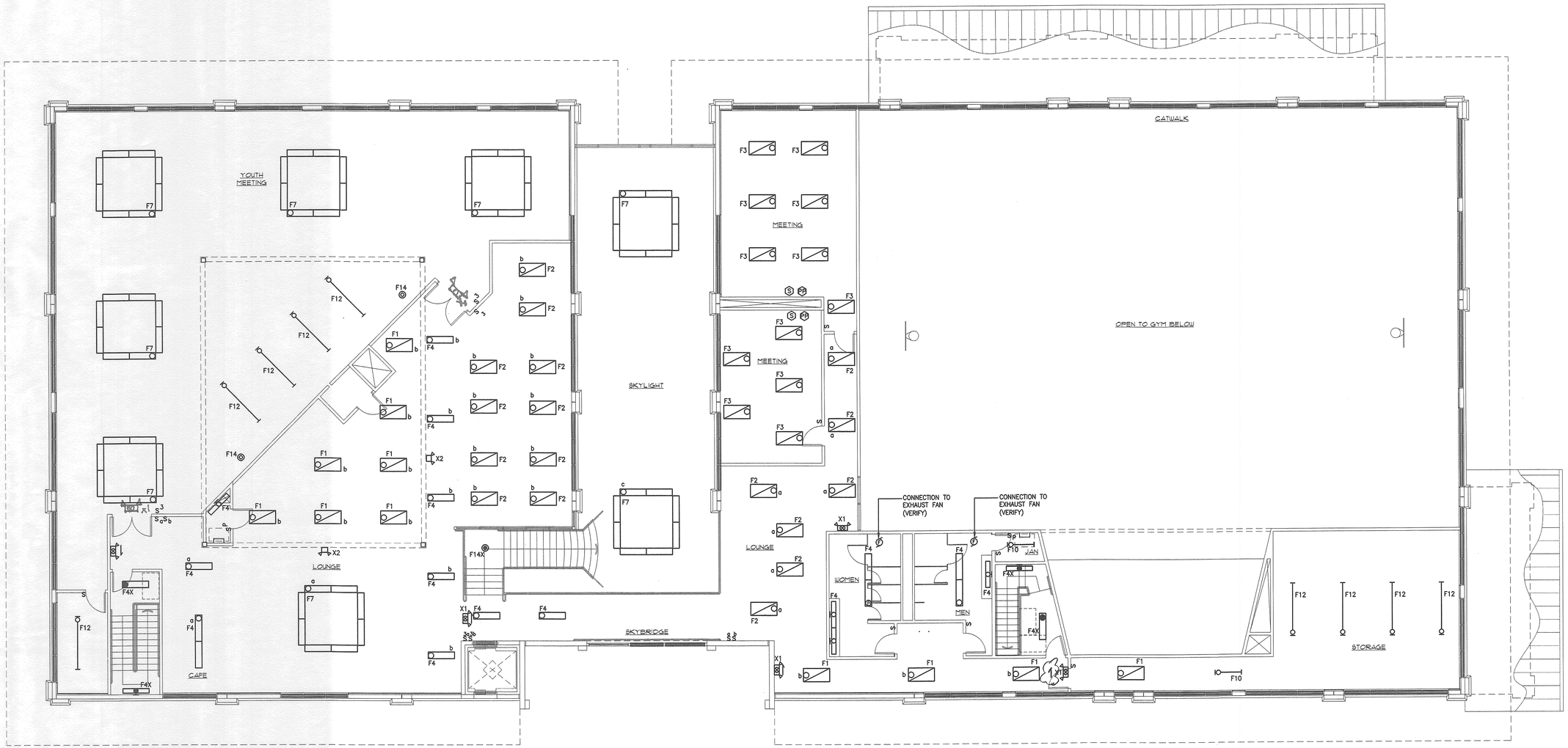

2ND FLOOR LIGHTING PLAN

SCALE: 1/8" = 1'-0"

NORTH

Rev. #	Revision:	Date:
1	Permit Corrections	02/21/07

Project Title:

PHASE I
Construction for

EVERGREEN CHRISTIAN FELLOWSHIP

120 228th Avenue NE
Sammamish, WA 98074

Sheet Title:

2ND FLOOR LIGHTING PLAN

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CITY OF SAMMAMISH

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Project No: 5038
Date: 10/26/06

Sheet Number:

E2.2