UNIVERSITY OF CALIFORNIA HASTINGS COLLEGE OF LAW

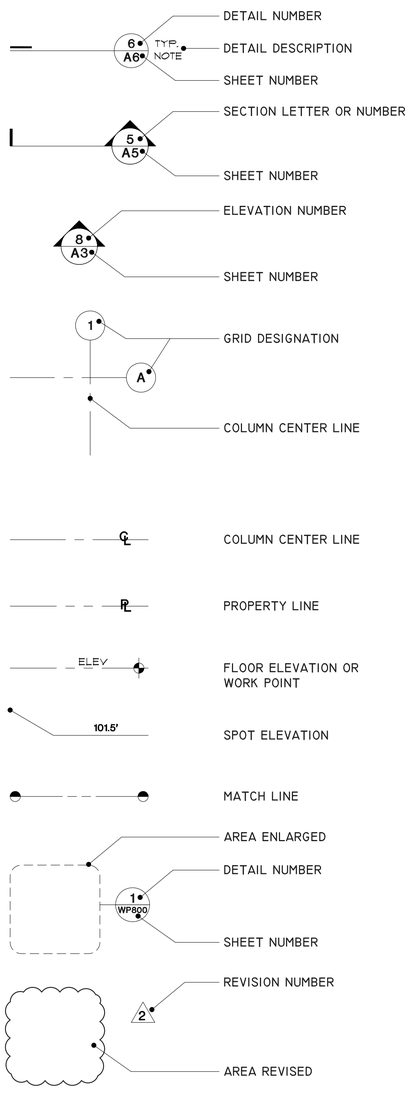
FACADE ACCESS UPGRADE

200 McAllister Street, San Francisco, CA 94102

ABBREVIATIONS

A.B.	Anchor Bolt	F.D.	Floor Drain	(R)	Remove
A/C	Air-Conditioning	FDN.	Foundation	R.	Riser
ACOUS.	Acoustical	FIN.	Finish	R&S	Rod & Sealant
A.D.	Area Drain	FL.	Floor	RAD.	Radius
ADJ.	Adjustable	FLASH.	Flashing	R.D.	Roof Drain
AGGR.	Aggregate	F.O.C.	Face of Concrete	REF.	Reference
AL.	Aluminum	F.O.F.	Face of Finish	REINF.	Reinforced
ALT.	Alternate	F.O.S.	Face of Studs	REQ.	Required
ANOD.	Anodized	F.S.	Full Size	RESIL.	Resilient
APPROX.	Approximate	FT.	Foot or Feet	RGTR.	Register
ARCH.	Architectural	FTG.	Footing	RM.	Room
ASPH.	Asphalt	FURR.	Furring	R.O.	Rough Opening
				R.W.L.	Rain Water Leader
BD.	Board	GA.	Gauge		
BITUM.	Bituminous	GALV.	Galvanized	S.	South
B.F.	Base Flashing	GL.	Glass	S.A.M.	Self-Adhered Membrane
BLDG.	Building	GND.	Ground	S.C.	Solid Core
BLK.	Block	GR.	Grade	SCHED.	Schedule
BLKG.	Blocking	G.S.M.	Galvanized Sheet Metal	SECT.	Section
BLW.	Below	GYP.	Gypsum	SGD.	Sliding Glass Door
BM.	Beam			SH.	Shelf
BOT.	Bottom	H.B.	Hose Bibb	SHT.	Sheet
BSMT.	Basement	H.C.	Hollow Core	SHTG.	Sheathing
BTWN.	Between	HDG	Hot Dipped Galvanized	SIM.	Similar
B.U.R.	Built-Up Roofing	HGT.	Height	SQ.	Square
		H.M.	Hollow Metal	S.ST.	Stainless Steel
C.B.	Catch Basin	HORIZ.	Horizontal	STA.	Station
CEM.	Cement	H.P.	High Point	STD.	Standard
CFL.	Counter-Flashing	HR.	Hour	STL.	Steel
C.I.	Cast Iron	H.W.	Hot Water	STOR.	Storage
C.I.P.	Cast-In-Place			STRL.	Structural
CLG.	Ceiling	I.D.	Inside Diameter (Dia.)	SYM.	Symmetrical
CLKG.	Caulking	INT.	Interior		
CLR.	Clear	INV.	Invert	T.C.	Top Of Curb
CMU.	Concrete Masonry Unit	JT.	Joint	TEL.	Telephone
CNTR.	Counter			T&G	Tongue & Groove
COL.	Column	'L'	Angle	THK.	Thick
COMP.	Composition	L.B.	Lag Bolt	THRESH.	Treshold
CONC.	Concrete	L.P.	Low Point	T.P.	Top of Pavement
CONT.	Continuous	LT.	Light	T.S.	Tube Steel
CORR.	Corridor	LVR.	Louver	T.W.	Top of Wall
CTR.	Ceneter	L.W.	Lightweight	TYP.	Typical
CTSK.	Countersunk				
		MAX.	Maximum	UNF.	Unfinished
DBL.	Double	M.B.	Machine Bolt	U.O.N.	Unless Otherwise Noted
DEPT.	Department	MECH.	Mechanical		
DET.	Detail	MEMB.	Membrane	VERT.	Vertical
D.D.	Deck Drain	MET.	Metal	VEST.	Vestibule
D.F.	Douglas Fir	MFR.	Manufacturer	V.I.F.	Verify In Field
DIA.	Diameter	MIN.	Minimum	V.S.	Vent Stack
DIAG.	Diagonal	MISC.	Miscellaneous		
DIM.	Dimension	MTD.	Mounted	W.	West
DN.	Down	MTL.	Material	W/	With
D.P.	Dampproofing	MUL.	Mullion	WD.	Wood
DR.	Door			WIN.	Window
DS.	Downspout	N.	North	W/O	Without
D.S.P.	Dry Standpipe	(N)	New	W.O.	Where Occurs
DTL.	Detail	N.I.C.	Not In Contract	WP.	Waterproof
DWG.	Drawing	NO.	Number	W.R.B.	Weather Resistive Barrier
		NOM.	Nominal	WT.	Weight
E.	East	N.T.S.	Not To Scale	W.W.F.	Welded Wire Fabric
(E)	Existing				
EA.	Each	O/	Over		
E.B.	Expansion Bolt	O.A.	Overall		
E.J.	Expansion Joint	O.C.	On Center		
EL.	Elevation	O.D.	Outside Diameter (Dia.)		
ELAS.	Elastomeric	O.F.	Overflow		
ELEV.	Elevation	O.F.D.	Overflow Drain		
ENCL.	Enclosure	OPNG	Opening		
EQ.	Equal	OPP.	Opposite		
EQPT.	Equipment	P.C.	Photo Cell		
EXP.	Expansion	PL.	Plate		
EXPO.	Exposed	PLAS.	Plaster		
EXT.	Exterior	PLYWD.	Plywood		
		PRCST.	Pre-Cast		
		PT.	Point		
		P.T.	Pressure Treated		
		P.T.D.F.	Pressure Treated Douglas Fir		

LEGEND AND SYMBOLS



GENERAL NOTES

1. THE CONTRACTOR SHALL EXAMINE, READ, AND BE THOROUGHLY FAMILIAR WITH THE CONSTRUCTION DOCUMENTS. SHOULD THE CONTRACTOR FIND DISCREPANCIES OR OMISSIONS IN THE DRAWINGS AND/OR SPECIFICATIONS, OR SHOULD THE CONTRACTOR BE IN DOUBT AS TO THE INTENT OR MEANING OF ANY PARTS OF THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY FOR CLARIFICATION AND/OR INTERPRETATION.

2. THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND BE ACQUAINTED WITH ALL CONDITIONS RELATING TO THE CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL OBTAIN ALL FIELD MEASUREMENTS REQUIRED FOR THE ACCURATE FABRICATION AND INSTALLATION OF THE WORK. REPORT TO THE CONSTRUCTION MANAGER FOR ANY UNFORESEEN CONDITIONS NOT MENTIONED IN THE SPECIFICATIONS AND NOT INDICATED ON THE DRAWINGS. APPLYING WORK ON EXISTING SUBSTRATE CONDITIONS MEANS THAT THE CONTRACTOR HAS VERIFIED AND ACCEPTED THE SUBSTRATE CONDITION.

3. IF HAZARDOUS CONDITIONS ARE DETECTED DURING CONSTRUCTION OTHER THAN NOTED ON THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING THE CONSTRUCTION MANAGER OF THE PRESENCE OF ANY HAZARDOUS MATERIALS.

4. THE CONSTRUCTION DOCUMENTS DESCRIBE THE GENERAL AND TYPICAL CONDITIONS OF THE EXISTING BUILDINGS AND ARE NOT AS-BUILT DOCUMENTS. DIMENSIONS SHOWN ON PLANS ARE BASED ON RECORD DRAWINGS OF THE ORIGINAL BUILDINGS AND SHOULD NOT BE USED AS THE BASIS FOR FABRICATION AND INSTALLATION OF THE WORK. EXACT MEASUREMENTS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF THE WORK.

5. THE BUILDING INTERIOR IS SHOWN FOR ACCESS INFORMATION ONLY AND MAY VARY FROM THE DRAWINGS AS THEY MAY HAVE BEEN RENOVATED

6. THE CONTRACTOR SHALL PROVIDE TEMPORARY CONTROLS, BARRICADES, SECURITY AND MISCELLANEOUS FACILITIES FOR THE SAFETY OF THE PUBLIC DURING EXECUTION OF THE WORK.

7. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITHOUT DAMAGE TO OTHER PARTS OF THE PREMISES AND/OR ADJACENT PROPERTIES. TEMPORARY PROTECTION OF ALL BUILDING INTERIORS AND CONTENTS FROM DAMAGE SHALL BE PROVIDED AT ALL TIMES DURING EXECUTION OF THE WORK. DAMAGE OR LOSS DUE TO CONSTRUCTION SHALL BE CORRECTED AND/OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.

8. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR THE WORK AND SHALL PROVIDE TRAFFIC CONTROL AND TEMPORARY BARRICADES AS REQUIRED DURING CONSTRUCTION WHEN ROADWAYS AND/OR RIGHT-OF-WAYS ARE BLOCKED DUE TO THE WORK. THE CONTRACTOR SHALL MINIMIZE DISRUPTION TO TRAFFIC FLOW FOR VEHICLES AND MAINTAIN SAFETY FOR PEDESTRIANS AT THE PROJECT SITE.

9. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER AND UTILITY COMPANIES FOR TEMPORARY INTERRUPTION OR DISRUPTION OF EXISTING POWER, COMMUNICATION, WATER AND/OR HVAC SYSTEMS REQUIRED TO COMPLETE THE WORK.

10. ALL MATERIALS AND SYSTEMS INCLUDED ON PLANS, ELEVATIONS, AND DETAILS THAT ARE NOT INDICATED AS EXISTING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

DRAWINGS INDEX

SCOPE OF WORK

REFER TO SHEET A0.01

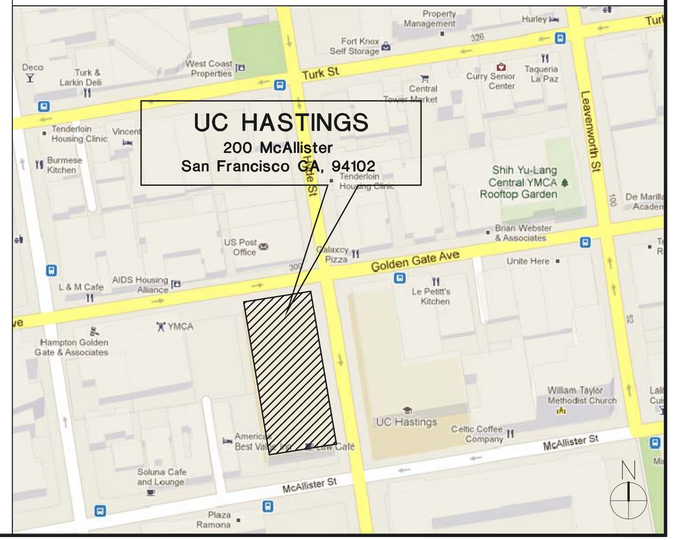
CODES

APPLICABLE CODE: CBC 2013 FOR REROOFING PROJECT PER CITY OF SAN FRANCISCO.

OCCUPANCY GROUP: E

CONSTRUCTION: TYPE I

LOCATION MAP



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Title Sheet

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SCOPE OF WORK

BASE SCOPE OF WORK:

A. GENERAL:

1. All equipment must remain operational throughout the duration of the work.
2. Refer to Structural and Swing Stage Drawings for location and design of new swing stage anchors, davits, and strengthening of structural deck and framing.

B. DEMOLITION:

1. Remove and discard the (E) gravel, Built Up Roofing (B.U.R.), and insulation down to the (E) structural concrete deck on Main Roof around (E) swingstage anchor penetrations as needed to remove swingstage anchor penetrations. Remove (E) window washing tie down anchors on roof down to structural deck. See Structural and Swing Stage Drawings for locations of new anchors and davits for swing stage.

C. ROOFING:

1. Install (N) window washing tie down anchors on roof per Structural and Swing Stage Drawings. Saw cut (E) concrete deck at (N) window washing anchor locations to facilitate installation and patch (See Allowances #1). See Structural and Swing Stage Drawings for locations of new anchors and davits for swing stage. Detail around (N) window washing tie down anchors per Architectural Drawings and Specifications and per Manufacturer's Instructions. Patch over (E) Anchor locations that were removed with Built Up Roofing (BUR) (See Allowances #1).

E. CEMENT PLASTER FINISH REPLACEMENT:

1. Replace exterior cement plaster finish with associated accessories (metal lath, J-mold, corner-aid, wire-ties, weep screed, etc.) around the window washing anchorage penetrations through the penthouse walls located on the Structural and Swing Stage Drawings. Peel back existing weather resistive barrier (building paper) for tie-in with (N) self-adhered membrane (S.A.M.) with primer as required by the manufacturer. Include a layer of sacrificial building paper between S.A.M. and cement plaster finish. (See Allowances #2).
2. Seal around each window washing anchorage penetration through the penthouse with backer rod and sealant.

ALTERNATIVES

ALLOWANCES

1. Allowance: Concrete Patching: Patch concrete at locations of (N) window washing anchors. Allowance: 250 square feet of concrete patching and dowel into (E) slab. Provide unit pricing.
2. Allowance: BUR Roofing Patching: Patch BUR roofing at locations where (E) window washing anchors were removed. Allowance: 650 square feet of BUR replacement. Provide unit pricing.
3. Allowance: Cement Plaster Replacement: Patch cement plaster around window washing anchorage penetrations through penthouse wall. Allowance: 175 SF of cement plaster replacment. Provide unit pricing.

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Scope of Work

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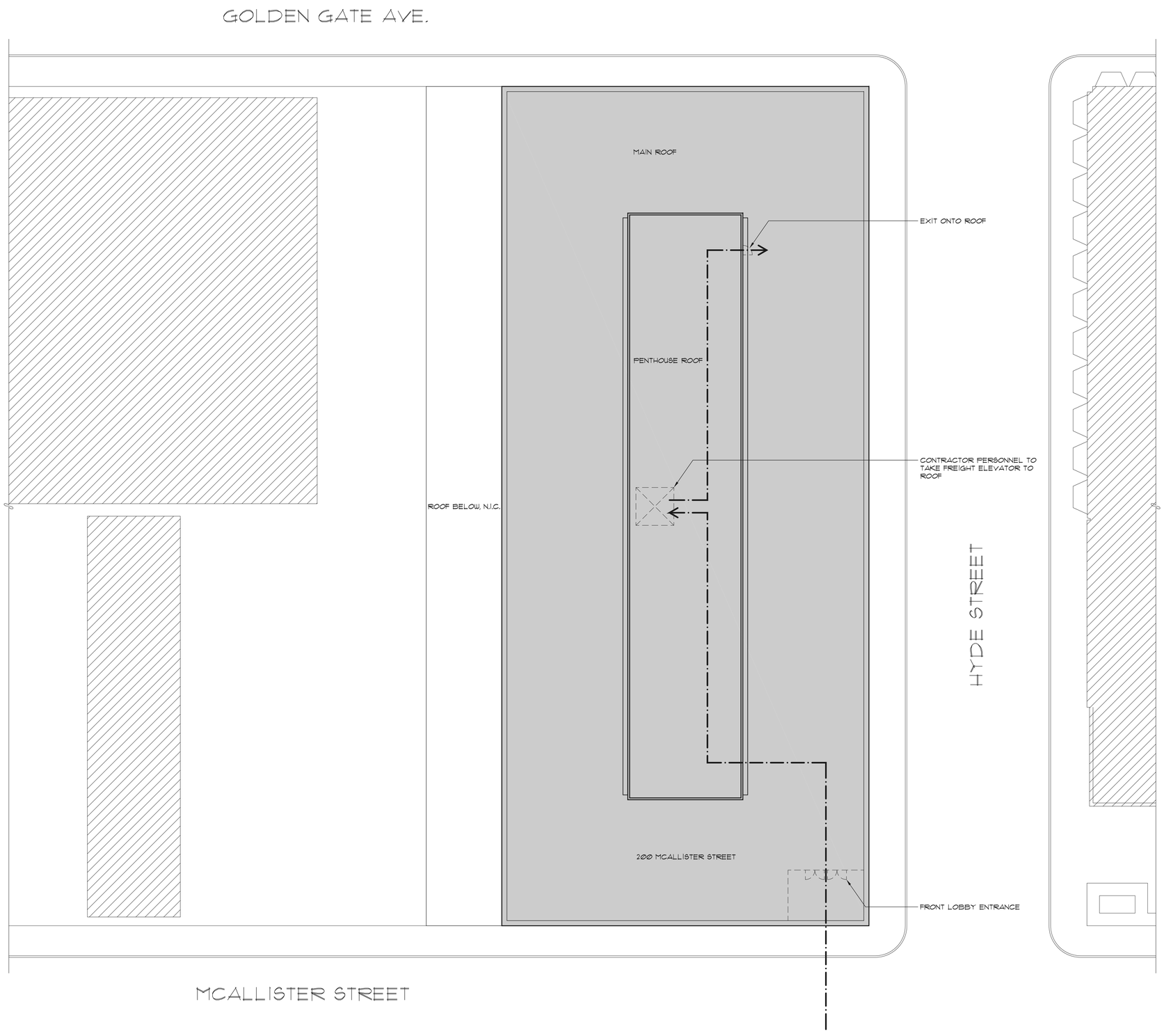

1 SITE PLAN

1/16" = 1'-0"

LEGEND

- ADJACENT BUILDINGS - N.I.C.
- REROOFING PROJECT AT 200 McALLISTER
- CONTRACTOR SITE ACCESS

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Site Plan and Contractor Access Plan

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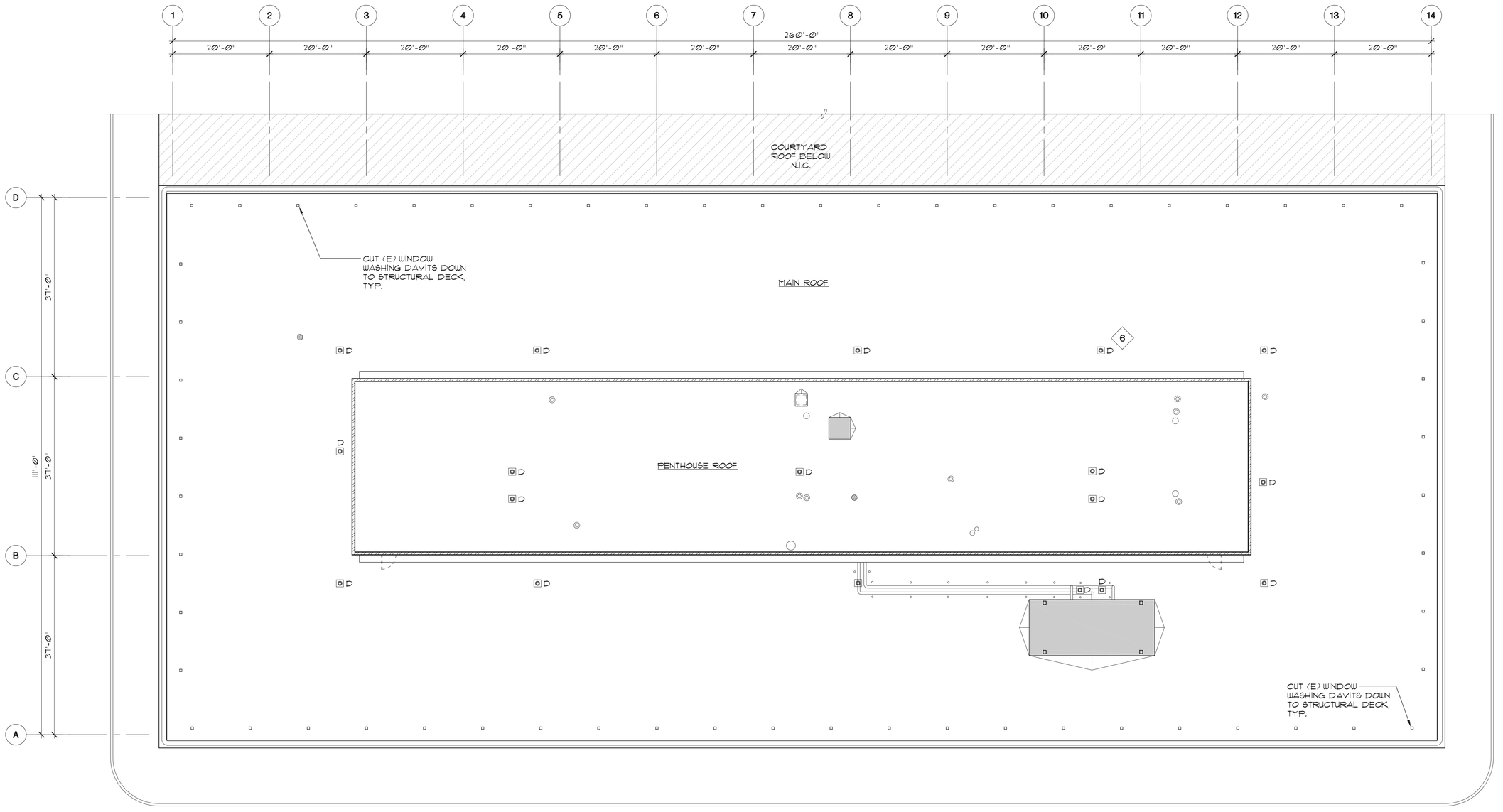
LEGEND

◎	(E) VENT STACK	▫	(E) DAVIT SUPPORT BASE
●	(E) ROOF PENETRATIONS (HOT)	▨	(E) METAL COPING
○	(E) ROOFING VENT	▭	(E) ROOF CURB
⊡ D	(E) ROOF DRAIN	▬	(E) MECHANICAL UNIT



1 200 McALLISTER - EXISTING ROOF PLAN

3/32" = 1'-0"

N

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200 McAllister (E) Roof Plan

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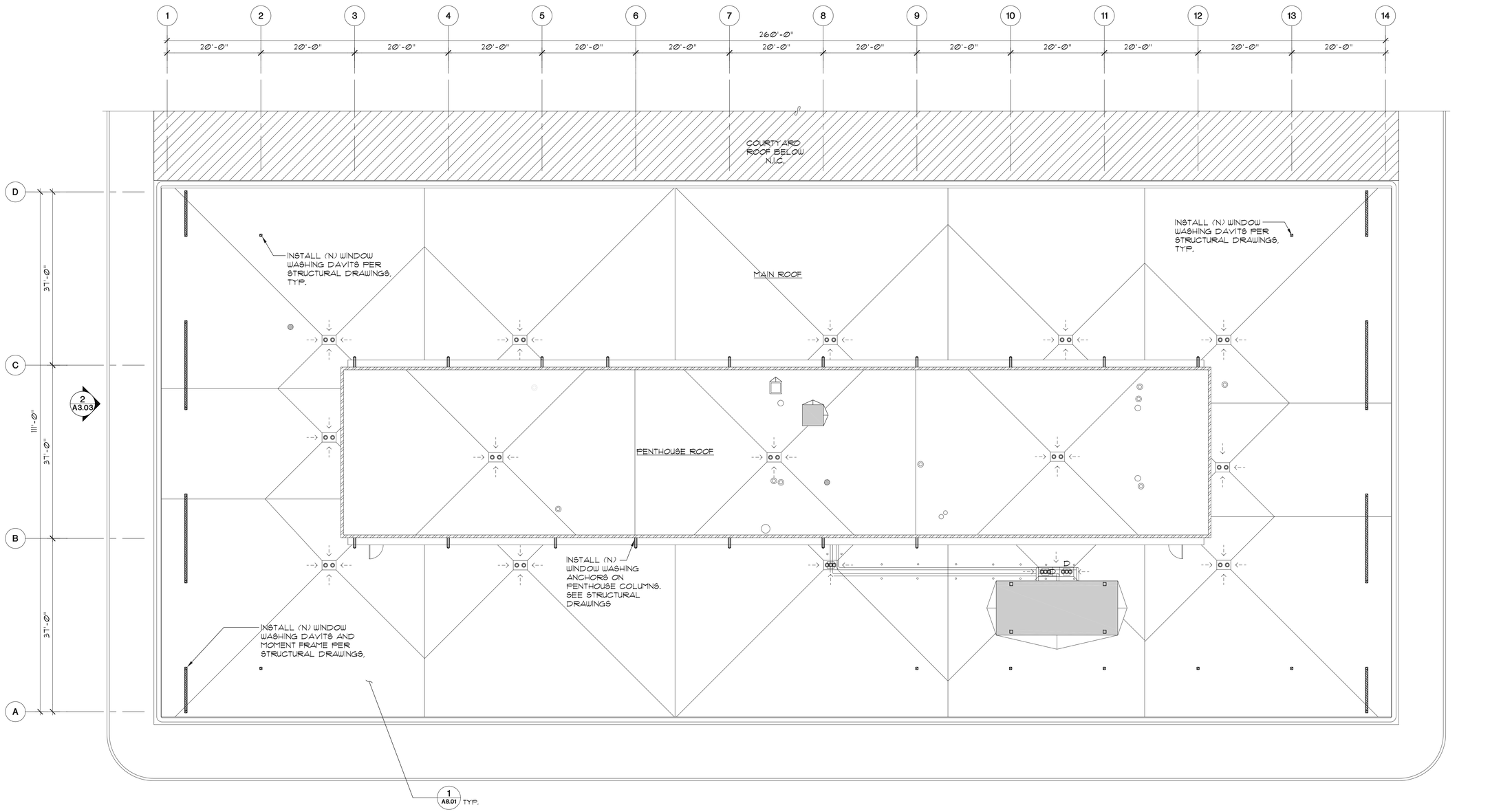
LEGEND

	(E) VENT STACK		(E) DAVIT SUPPORT BASE TO BE REPLACED
	(E) ROOF PENETRATIONS (HOT)		(E) METAL COPING
	(E) ROOFING VENT		(E) ROOF CURB
D	(E) ROOF DRAIN		(E) MECHANICAL
	ROOF DRAIN AND OVERFLOW DRAIN		(N) WINDOW WASHING ANCHOR TO BE ATTACHED TO PENTHOUSE COLUMNS
	(N) MOMENT FRAME TO SUPPORT WINDOW WASHING ANCHORS		(N) WINDOW WASHING ANCHOR TO BE ATTACHED TO PENTHOUSE COLUMNS



1 200 McALLISTER - PROPOSED FACADE ACCESS PLAN

3/32" = 1'-0"

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200 McAllister
(N) Roof Plan

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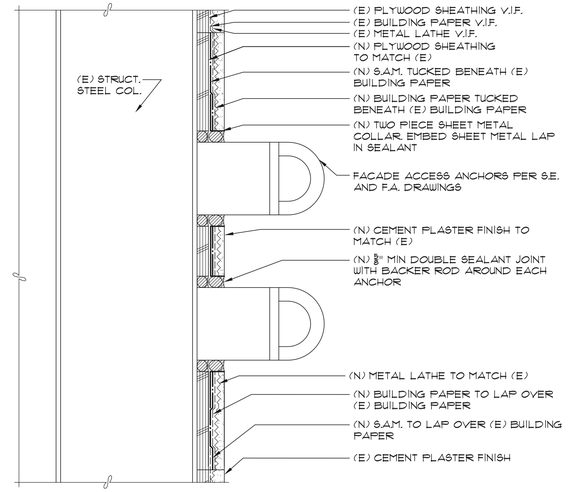
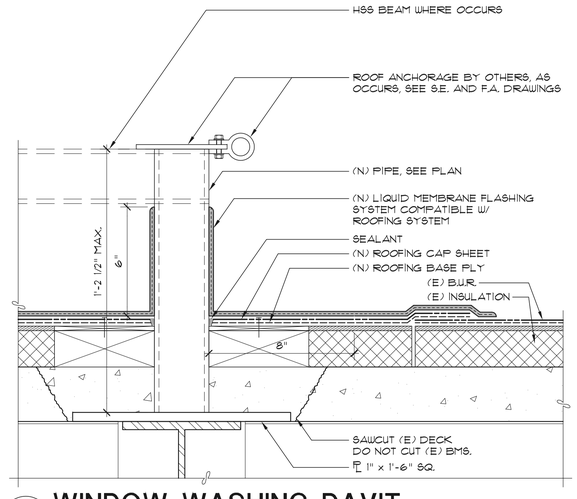


7 **FACADE ACCESS ANCHOR TO COL.**
SECTION 3" = 1'-0"



6 **WINDOW WASHING DAVIT**
ANCHOR DETAIL 3" = 1'-0"

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Roofing Details

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STRUCTURAL NOTES

1. GENERAL

A. CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE 2013 EDITION OF THE CALIFORNIA BUILDING CODE (AND AS AMENDED BY THE 2013 EDITION OF THE SAN FRANCISCO BUILDING CODE).

B. THESE NOTES APPLY TO ALL DRAWINGS AND GOVERN UNLESS OTHERWISE NOTED OR SPECIFIED.

C. VERIFY ALL EXISTING CONDITIONS AND PROPOSED DIMENSIONS AT JOB SITE. COMPARE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS BEFORE COMMENCING WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES AND DO NOT PROCEED WITH AFFECTED WORK UNTIL THEY ARE RESOLVED. DO NOT SCALE DRAWINGS.

D. UNLESS OTHERWISE SHOWN OR NOTED, ALL TYPICAL DETAILS SHALL BE USED WHERE APPLICABLE.

E. ALL DETAILS SHALL BE CONSIDERED TYPICAL AT SIMILAR CONDITIONS.

F. THREE (3) SETS OF SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER BEFORE FABRICATION, FOR THE FOLLOWING ITEMS:
1. STRUCTURAL STEEL

G. SAFETY MEASURES: AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF THE PERSONS AND PROPERTY, PROVIDING NECESSARY SHORING AND BRACING, AND FOR ALL NECESSARY INDEPENDENT ENGINEERING REVIEWS OF THESE CONDITIONS. THE ENGINEER'S JOB SITE REVIEW IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ALL DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.

I. CONTRACTOR SHALL BRING OMISSIONS OR DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS TO THE STRUCTURAL ENGINEER'S ATTENTION PRIOR TO PROCEEDING WITH THE WORK.

2. TESTS & INSPECTIONS

A. PROVIDE TESTS AND SPECIAL INSPECTIONS FOR ALL ITEMS AS REQUIRED BY THE CALIFORNIA BUILDING CODE 2013 EDITION SECTIONS 1704, 1707 AND 1708.

B. THE OWNER (NOT THE CONTRACTOR) SHALL BE RESPONSIBLE FOR RETAINING AN INDEPENDENT TESTING LAB TO PERFORM ALL REQUIRED TESTING AND SPECIAL INSPECTIONS. A COPY OF ALL INSPECTION REPORTS SHALL BE SUBMITTED TO THE ENGINEER.

C. THE FOLLOWING SPECIFIC ITEMS SHALL BE INSPECTED AND/OR TESTED BY THE TESTING LAB IN ACCORDANCE WITH SECTION 1704, 1707, AND 1708 OF THE 2013 CALIFORNIA BUILDING CODE (AND AS AMENDED BY THE 2013 EDITION OF THE SAN FRANCISCO BUILDING CODE).
1. WELDING
2. MOMENT FRAMES

3. DESIGN BASIS – BUILDING STRUCTURES

A. CONSTRUCT IN CONFORMANCE WITH THE 2013 EDITION OF THE CALIFORNIA BUILDING CODE AND ALL APPLICABLE LOCAL ORDINANCES.

B. GENERAL DESIGN DATA:

	LL (LBS)
TIEBACK ANCHORS	5,000#

6. CONCRETE

A. REINFORCE ALL CONCRETE. INSTALL ALL INSERTS, BOLTS, ANCHORS, AND REINFORCING AND SECURELY TIE PRIOR TO PLACING CONCRETE.

B. NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT.

C. CONCRETE SHALL BE HARD ROCK CONCRETE, USING PORTLAND CEMENT TYPE I OR II LOW ALKALINE AND SHALL ATTAIN AN ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
MINIMUM CEMENT CONTENT = 6 SACKS/CU.YD. SEE NOTE D.
MAXIMUM SLUMP = 4"
AGGREGATE SIZE = MAXIMUM SIZE APPROPRIATE FOR FORM & REBAR CLEARANCE.

D. CONTRACTOR MAY REPLACE PORTLAND CEMENT CONTENT WITH FLY ASH OR OTHER CEMENTITIOUS MATERIAL UNDER THE FOLLOWING CONDITIONS:
1. A MAXIMUM OF 25% OF PORTLAND CEMENT CONTENT (BY WEIGHT) MAY BE REPLACED WITH OTHER CEMENTITIOUS MATERIAL WITH NO BREAK TEST RECORDS SUBMITTED.
2. A MAXIMUM OF UP TO 50% OF PORTLAND CEMENT CONTENT (BY WEIGHT) MAY BE REPLACED WITH OTHER CEMENTITIOUS MATERIAL PROVIDED BREAK TEST RECORDS OF A MINIMUM OF 20 BREAKS WITHIN THE PAST YEAR ARE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO USE.
3. FLY ASH SHALL NOT COMPOSE MORE THAN 25% OF THE CEMENTITIOUS MATERIAL.

E. CONCRETE SHALL BE CONTINUOUSLY CURED FOR 10 DAYS AFTER PLACING IN ANY APPROVED MANNER, INCLUDING CURING COMPOUND, CURING PAPER, ETC. NOTE: FOOTINGS ARE EXCEPTED FROM THIS REQUIREMENT.

F. LIGHT WEIGHT CONCRETE SHALL HAVE AN AIR-DRY WEIGHT OF NO MORE THAN 110 LBS. PER CUBIC FOOT. LIGHT WEIGHT AGGREGATE SHALL COMPLY WITH ASTM C-330-80 AND C-332-80. LIGHT WEIGHT CONCRETE SHALL COMPLY WITH MIX AND SLUMP REQUIREMENTS OF THE NORMAL WEIGHT CONCRETE SPECIFIED ABOVE.

G. CONDUITS OR PIPES (O.D.) WITHIN SLAB SHALL NOT EXCEED 30% OF SLAB THICKNESS AND SHALL BE SPACED AT LEAST FOUR-DIAMETER APART, UNLESS SPECIFICALLY DETAILED OTHERWISE.

H. VERIFY ALL CONCRETE WORK DIMENSIONS WITH ARCHITECTURAL DRAWINGS BEFORE POURING CONCRETE.

14. STRUCTURAL & MISCELLANEOUS STEEL

A. STEEL SHAPES AND MISCELLANEOUS STEEL SHALL UNIFORM TO THE FOLLOWING:
1. WIDE FLANGES – ASTM A992, GR.50
2. MISCELLANEOUS SHAPES (I.E. CHANNELS, ANGLES, ETC) – ASTM A36
3. STANDARD, EXTRA STRONG, AND DOUBLE EXTRA STRONG PIPE ASTM A53 GR.B
4. HOLLOW STRUCTURAL SECTIONS (HSS)
   * SQUARE OR RECTANGULAR – ASTM A500 GR.B (Fy = 46 ksi)
   * ROUND – ASTM A500 GR.B (Fy = 42 ksi)
5. PLATES, BARS – ASTM A36
   * EXCEPT AS IN MOMENT FRAME CONNECTIONS (CONTINUITY, DOUBLER, ETC) WHICH SHALL BE ASTM A572 GR.50

B. ALL BOLTS SHALL CONFORM WITH ASTM A307 EXCEPT FOR STEEL-TO-STEEL CONNECTIONS WHICH SHALL CONFORM WITH ASTM A325 N. ANCHOR BOLTS (AB) SHALL CONFORM WITH ASTM F1554 GR. 36, U.O.N. HIGH STRENGTH ANCHOR BOLTS (HASB) SHALL CONFORM TO ASTM A354 GR. BD

C. PAINT STEEL (EXCEPT PORTIONS TO BE ENCASED IN CONCRETE) WITH ONE COAT OF PRIMER STANDARD WITH MANUFACTURER.

D. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF AISC SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.

E. WELDING SHALL CONFORM WITH THE LATEST EDITION OF THE AWS SPECIFICATIONS. USE E70XX ELECTRODES.

F. ALL STEEL EXPOSED TO WEATHER INCLUDING BOLTS, NUTS, SCREWS, ETC. SHALL BE GALVANIZED. USE GALVALOG PAINT OVER EXPOSED WELDS OR OTHER UN-PROTECTED MARKINGS INCURRED DURING THE TRANSPORTATION, HANDLING, OR ERECTION PROCESS.

G. BOLT HOLES FOR MACHINE BOLTS SHALL BE NO MORE THAN $\frac{1}{16}$" OVERSIZED U.O.N.

H. ALL STEEL MEMBERS CONNECTING TO OR SUPPORTING WOOD FRAMING SHALL HAVE $\frac{5}{8}$" DIAMETER THREADED STUDS AT 24-INCHES ON CENTER TYP. U.O.N., ATTACHED WITH A $\frac{3}{16}$" FILLET WELD ALL AROUND (MIN).

City and County of San Francisco
Department of Building Inspection

Ed Lee, Mayor
Tom C. Hui, S.E., C.B.O.
Director

NOTICE

SPECIAL INSPECTION REQUIREMENTS

Please note the special inspections shown on the approved plan and checked on the special inspection form issued with the permit are required for this project. The employment of special inspectors is the direct responsibility of the owner or the engineer/architect of record acting as the owner's representative.

These special inspections are required *in addition* to the called inspections performed by the Department of Building Inspection. The name of special inspector shall be furnished to district building inspector prior to start of work for which special inspection is required.

For questions regarding the details or extent of required inspection or tests, please call the Plan Checker assigned to this project or 415-558-6132. If there are any field problems regarding special inspection, please call your District Building Inspector or 415-558-6570.

Before final building inspection is scheduled, documentation of special inspection compliance must be submitted to and approved by the Special Inspection Services Staff. To avoid delays in this process, the project owner should request final compliance reports from the engineer or architect of record and/or special inspection agency soon after the conclusion of work requiring special inspection. *The building permit will not be finalized without the compliance of the special inspection requirements.*

STRUCTURAL OBSERVATION REQUIREMENTS

Structural observation shall be provided as required per Section 1710. The building permit will not be finalized without the compliance of the structural observation requirements.

Special Inspection Services Contact Information

1. Telephone: (415) 558-6132
2. Fax: (415) 558-6474
3. Email: dbi.specialinspections@sfgov.org
4. In person: 3rd floor at 1660 Mission Street

SPECIAL INSPECTION SERVICES
1660 Mission Street-San Francisco, CA 94103
Office (415) 558-6132 Fax (415) 558-6474 www.sfdbi.org

NOTE: IF THIS FORM IS MODIFIED BY THE REVIEWING AGENCY DURING PLAN REVIEW, THE ENGINEER OF RECORD SHALL BE NOTIFIED.

SPECIAL INSPECTION AND STRUCTURL OBSERVATION

A COPY OF THIS DOCUMENT SHALL BE KEPT WITH THE APPROVED STRUCTURAL DRAWING SET

JOB ADDRESS 200 McALLISTER ST. APPLICATION NO. _____ ADDENDUM NO. _____

OWNERS NAME _____ OWNERS PHONE NO. _____

Employment of Special Inspection is the direct responsibility of the OWNER, or the engineer/architect of record acting as the owner's representative. Special inspector shall be one of those as prescribed in Sec. 1704. Name of special inspector shall be furnished to DBI District Inspector prior to start of the work for which the Special Inspection is required. Structural observation shall be performed as provided by Section 1710. A preconstruction conference is recommended for owner/builder or designer/builder projects, complex and highrise projects, and for projects utilizing new processes or materials.

In accordance with Sections **1701;1703;1704(2010 SFBC)**, Special Inspection and/or testing is required for the following work:

1. [ ] Concrete (Placement & sampling)
2. [ ] Bolts installed in concrete
3. [ ] Special moment Resisting concrete frame
4. [ ] Reinforcing steel and prestressing tendons
5. **Structural welding:**
   A. **Periodic visual inspection**
   [X] Single pass fillet welds $\frac{5}{16}$" or smaller
   [ ] Steel Deck
   [ ] Welded studs
   [ ] Cold formed studs and joists
   [ ] Stair and railing systems
   [ ] Reinforcing steel
   B. **Continuous visual Inspection and NDT** (Section 1704)
   [X] All other welding (NDT exception:Fillet weld)
   [ ] Reinforcing steel and [ ] NDT required
   [X] Moment-resisting frames
   [ ] Others _____
6. [ ] High strength bolting
7. [ ] Structural masonry
8. [ ] Reinforced gypsum concrete
9. [ ] Insulating concrete fill
10. [ ] Sprayed on fireproofing
11. [ ] Piling, drilled piers and caissons
12. [ ] Shotcrete
13. [ ] Special grading excavation and filling (Geo. Engineered)
14. [ ] Smoke control system
15. [ ] Demolition
16. [ ] Exterior Facing
17. **Retrofit of unreinforced masonry buildings:**
    [ ] Testing of mortar quality and shear tests
    [ ] Inspection of repointing operations
    [ ] Installation inspection of new shear bolts
    [ ] Pre-installation inspection for embedded bolts
    [ ] Pull/torque tests per SFBC Sec.1607C & 1615C
18. **Bolts installed in existing concrete or masonry:**
    [ ] Concrete [ ] Masonry
    [ ] Pull/torque tests per SFBC Sec.1607C & 1615C
19. [ ] Shear walls and floor systems used as shear diaphragms
20. [ ] Holdowns
21. **Special cases:**
    [ ] Shoring
    [ ] Underpining: [ ] Not affecting adjacent property
    [ ] Affecting adjacent property: PA _____
    [ ] Others _____
22. [ ] Crane safety (Apply to the operation of tower cranes on highrise building) (Section 1704.20)
23. [ ] Others: As recommended by professional of record _____

24. Structural observation per Sec. 1710 (2013 SFBC) for the following: [ ] Foundations [ ] Steel framing
[ ] Concrete Construction [ ] Masonry construction [ ] Wood framing
[ ] Other _____

25. Certification is required for: [ ] Glu-lam components

Prepared by: JYASF, Inc. (Engineer/Architect of Record) Phone: 415-243-0858
Required Information: FAX (415) 243-0486 Email: mtropp@jyasf.com
Reviewed by: _____ (DBI Engineer or Plan Checker) Phone: 415-558-6132

****

APPROVAL **(Based on submitted reports).**

_____ _____
DATE DBI Engineer or Plan Checker/Special Inspection Services Staff

QUESTIONS ABOUT SPECIAL INSPECTION AND STRUCTURAL OBSERVATION SHOULD BE DIRECTED TO:
Special Inspection Services (415) 558-6132.; or, dbi.specialinspections@sfgov.org; FAX (415) 558-6474

LEGEND

- GRID LINES AND BUBBLES EMPTY=MORE THAN ONE
- SECTION OR DETAIL NUMBER
- SECTION MARK
- SHEET WITH SECTION OR DETAIL
- DETAIL ELEVATION
- PLAN VIEW DETAIL
- SECTION MARK ON DETAIL DRAWING
- REVISION I.D. NUMBER
- SPAN DIRECTION
- ELEVATION ELEVATION
- W.P. WORK POINT
- (N) FOUNDATION BELOW
- (E) FOUNDATION BELOW
- WALL BELOW
- MOMENT CONNECTION
- INDICATES SHEAR WALL WITH OPENING, SEE DETAIL FOR HARDWARE. SEE S.W.S. FOR NAILING
- 10'-0" INDICATES WOOD SHEARWALL TYPE (1) OF LENGTH 10'-0" SEE S.W.S.
- COLUMN ABOVE FLOOR
- COLUMN BELOW FLOOR
- NEW CONCRETE SECTIONS
- EXISTING CONCRETE SECTIONS
- STEEL
- EARTH
- GRAVEL
- BRICK

ABBREVIATIONS

&	AND	KSI	KIPS PER SQUARE INCH
L	ANGLE	LBS	POUNDS
@	AT	LG	LONG
AB	ANCHOR BOLT	LL	LIVE LOAD
ACI	AMERICAN CONCRETE INSTITUTE	LLH	LONG LEG HORIZONTAL
ADD'L	ADDITIONAL	LLV	LONG LEG VERTICAL
ADJ	ADJACENT	LN	LINE
AISI	AMERICAN IRON AND STEEL INSTITUTE	LSL	TIMBERSTRAND LUMBER
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION	LT	LIGHT
ALT	ALTERNATE	LVL	MICROLAM LUMBER
APPROX	APPROXIMATE	LWC	LIGHT WEIGHT CONCRETE
ARCH	ARCHITECT, ARCHITECTURAL	MATL	MATERIAL
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	MAX	MAXIMUM
AWS	AMERICAN WELDING SOCIETY	MB	MACHINE BOLT
BETW	BETWEEN	MECH	MECHANICAL
BLDG	BUILDING	MFR	MANUFACTURER
BM	BEAM	MIN	MINIMUM
BOF	BOTTOM OF FOOTING	MISC	MISCELLANEOUS
BOTT	BOTTOM	MTL	METAL
BS	BOTH SIDES	#	NUMBER
BYD	BEYOND	(N)	NEW
C	CHANNEL PREFIX	NIC	NOT IN CONTRACT
CANT	CANTILEVER	NO	NUMBER
CJ	CONSTRUCTION JOINT	NOM	NOMINAL
CL	CENTERLINE	NS	NEAR SIDE
CLR	CLEAR	NSG	NON-SHRINK GROUT
COL	COLUMN	NTS	NOT TO SCALE
CONC	CONCRETE	OC	ON CENTER
CONN	CONNECTION	OD	OUTSIDE DIAMETER
CONST	CONSTRUCTION	OH	OPPOSITE HAND
CONT	CONTINUOUS, CONTINUITY	OPNG	OPENING
CONT'D	CONTINUED	OPP	OPPOSITE
CTR	CENTER	PDF	POWER DRIVEN FASTENERS
CTSK	COUNTERSINK	PL	PLATE
CU	CUBIC	PROP	PROPERTY LINE
DBL	DOUBLE	PW	PLYWOOD
DBLR	DOUBLER	PSF	POUNDS PER SQUARE FOOT
DET	DETAIL	PSL	PARALLAM LUMBER
DIA	DIAMETER	PSI	POUNDS PER SQUARE INCH
DL	DEAD LOAD	PT	POINT
DIAG	DIAGONAL	QTY	QUANTITY
DIST	DISTANCE	RAD	RADIUS
DN	DOWN	REBAR	CONCRETE REINF
do	DITTO	REINF	REINFORCING
DP	DEEP	REQ'D	REQUIRED
DWG	DRAWING	RJ	ROOF JOIST
(E)	EXISTING	SCH	SCHEDULE
EA	EACH	SAD	SEE ARCHITECTURAL DRAWINGS
EF	EACH FACE	SCD	SEE CIVIL DRAWING
EN	EDGE NAILING	SECT	SECTION
EJ	EXPANSION JOINT	SED	SEE ELECTRICAL DRAWINGS
ELEV	ELEVATION	SHT	SHEET
ENGR	ENGINEER	SJ	SAW CUT JOINT
EQ	EQUAL	SIM	SIMILAR
ES	EACH SIDE	SMD	SEE MECHANICAL DRAWINGS
EW	EACH WAY	SMS	SHEET METAL SCREWS
EWB	EACH WAY BOTTOM	SPA	SPACING
EWM	EACH WAY MIDDLE	SQ	SQUARE
EWT	EACH WAY TOP	STAGG	STAGGER
EXP	EXPANSION	STD	STANDARD
EXT	EXTERIOR	STIFF	STIFFENER
FF	FINISH FLOOR	STIRR	STIRRUP
FIN	FINISH	STL	STEEL
FJ	FLOOR JOIST	STRUCT	STRUCTURAL
FN	FIELD NAILING	S.W.S.	SHEAR WALL SCHEDULE
FLR	FLOOR	SYM	SYMMETRICAL
FOC	FACE OF CONCRETE	T&B	TOP AND BOTTOM
FOW	FACE OF WALL	THK	THICK, THICKNESS
FRM'G	FRAMING	THRD	THREAD, THREADED
FS	FAR SIDE	TOC	TOP OF CONCRETE
FT	FEET	TOF	TOP OF FOOTING
FTG	FOOTING	TOS	TOP OF STEEL
GA	GAGE, GAUGE	TOW	TOP OF WALL
GALV	GALVANIZED	TS	STRUCTURAL TUBE (HSS SIM)
GDL	GRID LINE	TYP	TYPICAL
GB	GRADE BEAM	UBC	UNIFORM BUILDING CODE
GRD	GIRDER	UON	UNLESS OTHERWISE NOTED
GRD	GROUND	VB	VAPOR BARRIER
HD	HOLDOWN	VIF	VERIFY IN FIELD
HK	HOOK	W/	WITH
HORIZ	HORIZONTAL	WA	WEDGE ANCHORS
HP	HIGH POINT	WD	WOOD
HSS	HOLLOW STEEL SECTION	WF	WIDE FLANGE
ID	INSIDE DIAMETER	W/O	WITHOUT
IN	INCH	WP	WORK POINT
INT	INTERIOR	WT	WEIGHT, OR WT SECTION PREFIX
INV	INVERT	WWF	WELDED WIRE FABRIC
JT	JOINT	W	WIDE, WIDE FLANGE PREFIX
KIP	1,000 POUNDS		

University of California Hastings College of Law
Facade Access Upgrade Project

200 McAllister Street,
San Francisco, CA 94102

Owner:

University of California
Hastings College of Law
200 McAllister Street,
San Francisco, CA 94102

UNIVERSITY OF CALIFORNIA HASTINGS
COLLEGE OF THE LAW

Architect:

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Phone: (415) 986-3873
Fax: (415) 296-0586

NOT FOR CONSTRUCTION

Consultant:

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STRUCTURAL ENGINEERS
JOHN YADEGAR & ASSOCIATES
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Seal:

REGISTERED PROFESSIONAL ENGINEER
JAHANDAR YADEGAR
No.2871
Exp.12-31-2016
STRUCTURAL
STATE OF CALIFORNIA

NO.	DESCRIPTION	DATE
1	100 CD Set	03.13.2015

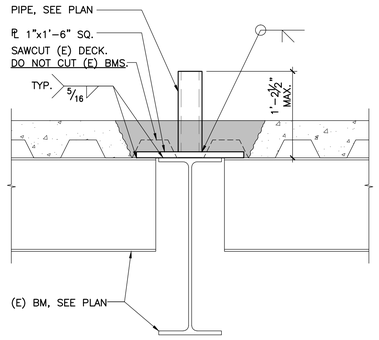
Sheet Title:

STRUCTURAL NOTES, ABBREVIATIONS AND SPECIAL INSPECTION

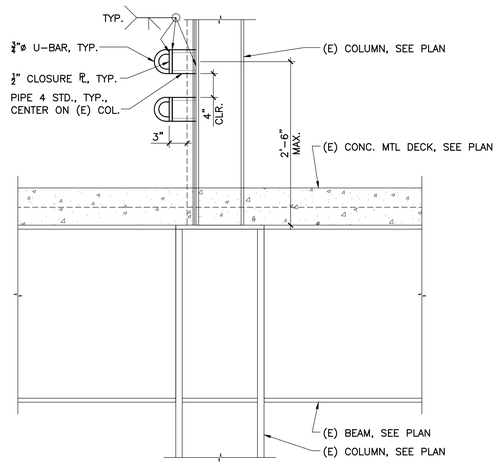
Scale:	AS NOTED
Project No.	JYA 13010
Date:	03.09.2015
Drawn:	JB
Checked:	JY

Sheet Number:

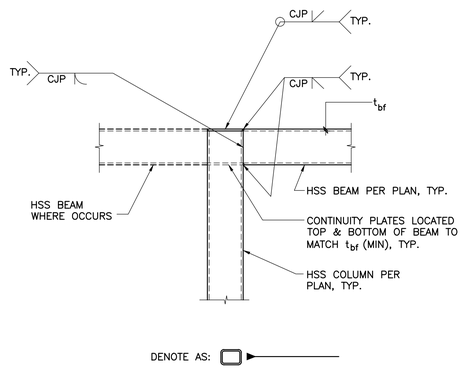
S1.0



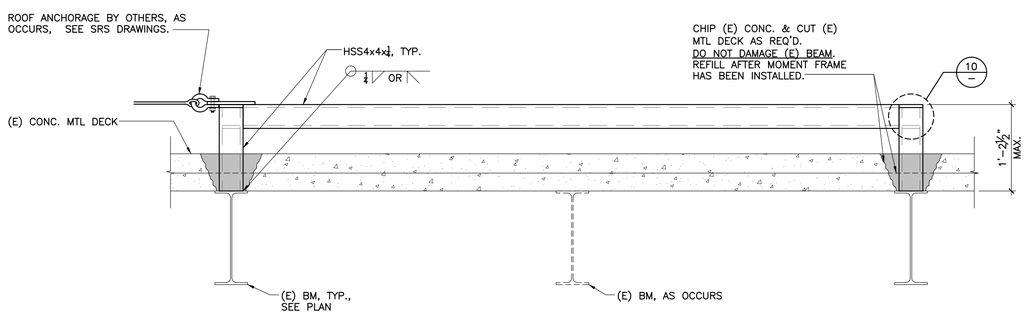
7 ISOLATED TIEBACK ANCHORAGE POINT
1"=1'-0"



8 TIEBACK ANCHORAGE TO (E) COLUMN
1"=1'-0"



10 TYPICAL TUBE-TO-TUBE CONNECTIONS
(SEISMIC MOMENT RESISTING) 1"=1'-0"



11 ANCHORAGE TO (E) BEAM @ MID-SPAN
1"=1'-0"

University of California Hastings College of Law Facade Access Upgrade Project

200 McAllister Street,
San Francisco, CA 94102

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Architect:

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NOT FOR CONSTRUCTION

Consultant:

JYASF STRUCTURAL ENGINEERS
JOHN YADEGAR & ASSOCIATES
90 NEW MONTGOMERY #412
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415.243.0858 | JYASF.COM

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REGISTERED PROFESSIONAL ENGINEER
JAHANDAR YADEGAR
No.2871
Exp.12-31-2016
STRUCTURAL
STATE OF CALIFORNIA

NO.	DESCRIPTION	DATE
1	100 CD Set	03.13.2015

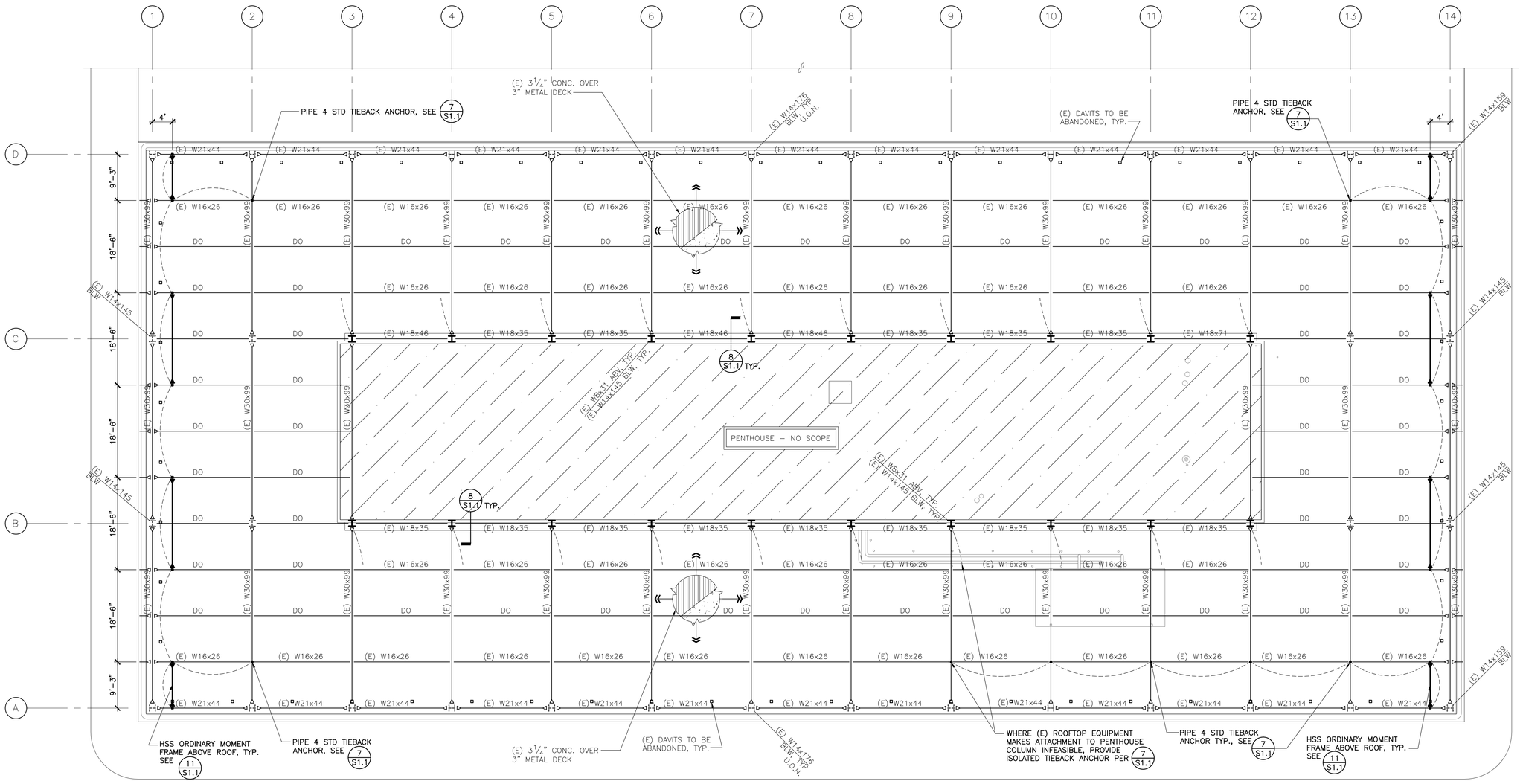
Sheet Title:

SECTIONS AND DETAILS

Scale:	AS NOTED
Project No.	JYA 13010
Date:	03.09.2015
Drawn:	JB
Checked:	JY

Sheet Number:

S1.1



A ROOF FRAMING PLAN
3/32"=1'-0"

NORTH

University of California Hastings College of Law Facade Access Upgrade Project

200 McAllister Street,
San Francisco, CA 94102

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Hastings College of Law
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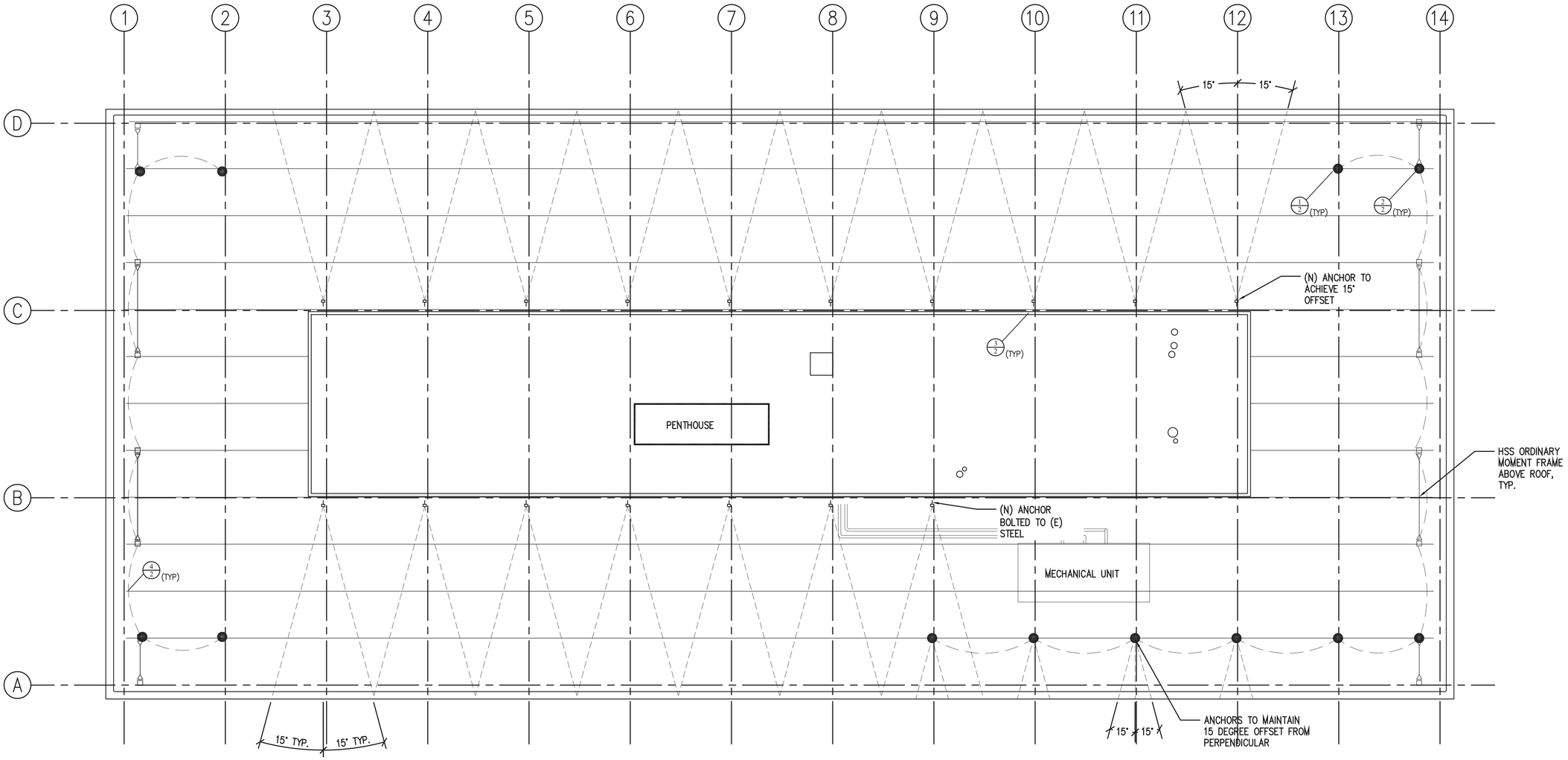
Sheet Title:

ROOF FRAMING PLAN

Scale:	AS NOTED
Project No.	JYA 13010
Date:	03.09.2015
Drawn:	JB
Checked:	JY

Sheet Number:

S2.0



EXTERIOR BUILDING MAINTENANCE EQUIPMENT LAYOUT – COMPOSITE ROOF PLAN

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

University of California Hastings College of Law
Facade Access Upgrade Project
200 McAllister Street,
San Francisco, CA 94102

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Consultant:

SRS Safety Services, Inc.
"Engineered Facade Access Systems & Procedures"
ENGINEERING | OSHA COMPLIANCE EXPERTS
POST OFFICE BOX 237 , TRACY, CA 95378
P: 209.830.1777 F: 209.830.0700
EMAIL: INFO@SRS-OPOS.COM WEBSITE: WWW.SRS-OPOS.COM

Consultant:

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STRUCTURAL ENGINEERS
JOHN YADEGAR & ASSOCIATES
99 NEW MONTGOMERY #412
SAN FRANCISCO, CA 94105
415.243.0858 | JYASF.COM

Seal:

NOT FOR CONSTRUCTION

NO.	DESC.	DATE
1	100 CD Set	03.13.2015

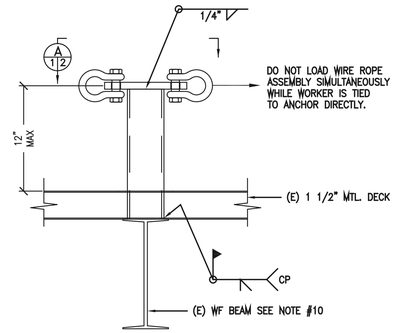
Sheet Title:

EXTERIOR BUILDING COMPOSITE ROOF PLAN

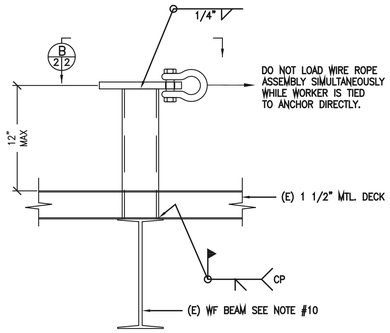
Scale:	As Shown
Project No.	12042.04
Date:	03/12/2015
Drawn:	K.A.
Checked:	SRS

Sheet Number:

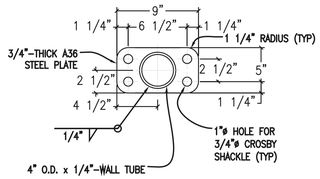
FA1.0



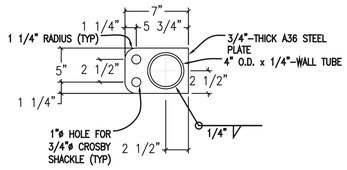
1 | 2 *ROOF ANCHOR SECTION*
SCALE: NOT TO SCALE



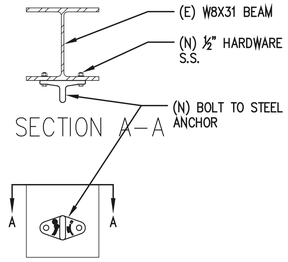
2 | 2 *ROOF ANCHOR SECTION*
SCALE: NOT TO SCALE



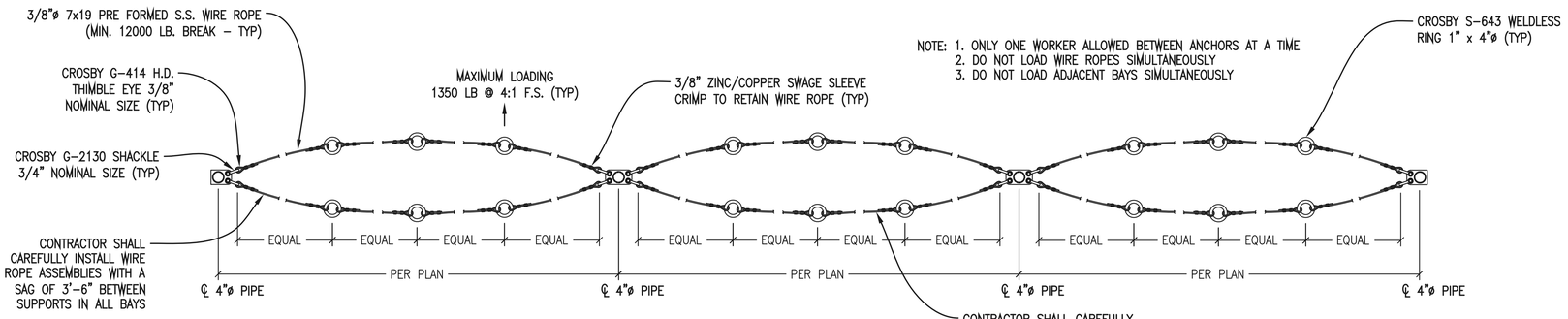
A | 1 | 2 *MIDDLE ANCHOR TOP PLATE SECTION*
SCALE: 1 1/2"=1'-0"



B | 2 | 2 END ANCHOR TOP PLATE SECTION
SCALE: 1 1/2"=1'-0"



3 | 2 BOLT TO STEEL DETAIL
SCALE: 1 1/2"=1'-0"



4 | 2 *CDA RIGGING ASSEMBLY DETAIL*
SCALE: 1/2" = 1'-0"

NOTE: CONTRACTOR SHALL FIELD VERIFY ANCHOR SPACING PRIOR TO MANUFACTURING OF WIRE ROPE ASSEMBLIES. CONTACT DESIGN ENGINEER IF ACTUAL DIMENSIONS DIFFER FROM THOSE SHOWN ON THIS PLAN.

GENERAL NOTES

1. CDA RIGGING ASSEMBLIES BETWEEN ANCHORS ARE DESIGNED TO SUPPORT A SINGLE WORKER'S CONTROLLED DESCENT APPARATUS (CDA) OR SAFETY LINE.
2. MAXIMUM LOADING: AS NOTED
3. THE CONTRACTOR SHALL BEAR RESPONSIBILITY FOR PROVIDING ALL WORK AND MATERIALS IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS (FEDERAL, STATE, AND COUNTY), HAVING JURISDICTION OVER SUCH WORK.
4. ALL APPLICABLE REQUIREMENTS IN THESE REGULATIONS SHALL BE FOLLOWED THE SAME AS IF NOTED ON THE DRAWINGS.
5. THE CONTRACTOR AND SUBCONTRACTORS SHALL PERFORM ALL WORK IN STRICT COMPLIANCE WITH THE CALIFORNIA OCCUPATION SAFETY AND HEALTH ACT.
6. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY (A.W.S.) D1.1.
7. ALL WELDING SHALL BE INSPECTED AND APPROVED BY AN INDEPENDENT AGENT.
8. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (A.I.S.C.).
9. CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING ALL EXISTING REINFORCING STEEL OR OTHER ENCASED STEEL ASSEMBLIES PRIOR TO INSTALLATION OF ANCHORS OR DRILLED HOLES, TO ENSURE THEY ARE NOT DAMAGED. IF DAMAGED, CONTRACTOR IS FULLY RESPONSIBLE FOR ALL WORK REQUIRED TO REPAIR DAMAGED ASSEMBLIES.
10. ADEQUACY OF EXISTING STRUCTURE TO PASS IMPOSED LOADS MUST BE VERIFIED BY THE BUILDING ENGINEER OF RECORD IN WRITING, PRIOR TO INSTALLING THE SYSTEM.
11. FOR CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENT THERETO, OR FOR ANY FAILURE OF CONTRACTOR TO COMPLY WITH LAWS AND REGULATIONS APPLICABLE TO THE FURNISHING OR PERFORMANCE OF WORK.
12. THE CONTRACTOR SHALL VERIFY THAT REQUIRED CLEARANCES ARE OBTAINED PRIOR TO COMMENCEMENT OF THE WORK.
13. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS FOR BOTH EXISTING AND PROPOSED WORK PRIOR TO SYSTEM FABRICATION. CONTACT ENGINEER IF ANY DIMENSIONS OR EXISTING BUILDING CONSTRUCTION VARIES FROM WHAT IS SHOWN ON THESE PLANS.
14. CONTRACTOR IS FULLY RESPONSIBLE FOR PATCHING AND WEATHERPROFFING ALL PENETRATIONS IN ROOF DUE TO INSTALLATION OF NEW ANCHORS.
15. PRIOR TO RELOCATING ANY EQUIPMENT SHOWN ON THESE PLANS, CONTACT DESIGN ENGINEER FOR APPROVAL.
16. AT NEW ANCHOR INSTALLATIONS, CONTRACTOR TO VERIFY THICKNESS OF ROOF SLAB, ROOFING MATERIAL, OR WALL FACADE PRIOR TO ANCHOR FABRICATION TO ENSURE ADEQUATE CLEARANCE FOR SHACKLES WILL BE OBTAINED UPON INSTALLATION, CONTACT ENGINEER IF ADEQUATE CLEARANCE CANNOT BE OBTAINED.
17. CONTRACTOR IS FULLY RESPONSIBLE FOR FABRICATING HOIZONTAL WIRE ROPE LINES TO THE PROPER LENGTH, SO THAT THEY OBTAIN THE EXACT SPECIFIED SAG BETWEEN SUPPORTS.
18. ROOF ANCHOR LOCATIONS ARE SUBJECT TO CHANGE PENDING REVIEW OF STRUCTURAL PLANS AND/OR STRUCTURAL INVESTIGATION.

MATERIALS

A. STEEL
AALL STEEL SHAPES TO BE ASTM A36 WITH YIELD STRESS EQUAL TO 36 KSI U.O.N.
ALL TUBE STEEL MEMBERS TO BE ASTM A500 GRADE B WITH YIELD STRESS EQUAL TO 46 KSI U.O.N.
ALL SOLID STEEL ROUND TO BE ASTM A1040 COLD ROLLED.
FINISH: HOT DIP GALVANIZING OR EQUIVALENT PROTECTIVE N/C COATING.

B. ALUMINUM
ALL ALUMINUM SHAPES TO BE 6061-T6 GRADE U.O.N.
FINISH – MILL

C. WELDING
STEEL: USE E70XX ELECTRODES OR EQUAL.
ALUMINUM: USE

D. WIRE ROPES
3/8"ø I.W.R.C., 7X19
MINIMUM ULTIMATE RATING: 12,000 LBS
FINISH: STAINLESS STEEL

E. BOLTS
ALL BOLTS TO BE ASTM A325 WITH ZINC COATING U.O.N.

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Seal:

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Sheet Title:

EXTERIOR BUILDING MAINTENANCE DETAILS

Scale:	As Shown
Project No.	12042.04
Date:	03/12/2015
Drawn:	K.A.
Checked:	SRS

Sheet Number:

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